State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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)**
BABB CREEK	1279100	20170928-57-01

Sampling Location

Database Key: 150534591

SWIMS Station ID	**SWIMS Station Name**
10031227	BABB CREEK FISH POND RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.503742	-90.04978	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	SOUTH DISTRICT FOLLOW UP MONITORING FOR IMPAIRM

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	3.0	0	

Reason For Sampling

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

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

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 m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	0.20	1.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20

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

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (Algae): 30

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 0

B3
386

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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	PH	PH
- Planktonic Algae	PH	PH
Iron Bacteria	U	
Macrophytes	N	
Slimes	N	
Other - Specify:		
Physical		
Bank Erosion	PH	PH
Channelization: - Upstream	PH	PH
- Dow nstream		
Hydraulic Scour / Channel Incision	PH	PH
Impoundment: - Upstream	PH	
- Dow nstream	PH	
Low Flow		
Sedimentation		
Sludge		
Thermal	PH	PH
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen	PH	PH
Nutrients (P, N...)	PH	PH
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	PH	PH
Point Source - Specify:		
Pasturing of Livestock	PH	PH
Runoff: - Barnyard	PH	PH
- Construction	N	N
- Cropland	PH	PH
- Urban	N	N
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
Justin Kowalski	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
1/24/18	Subsample archived in BSL until Apr 2021	

Wisconsin Department of Natural Resources
ABL SampleNum: **20170928-57-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Babb Creek**
SWIMS Database Key: **150534591**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	I	1	Kluberdanz 2016		
Caenis	L	IIII	4	"	imm	N
C. latipennis	L	X	10	"		
Argia	L	I	1	West. May 1996	imm	
Cheumatopsyche	L	⁄I	6	Hilsenhoff 1995		
Hydropsyche betteni	L	I	1	Schm. Hils. 1986		
Ceratopsyche slossonae	L	I	1	"		
Chimarra obscura	L	I	1	Hilsenhoff 1982		
Dubiraphia quadrinotata	A	I	1	Hils., Schm. 1992		
Optioservus	L	X	10	"	imm.	N
O. fastiditus	L	⁄IIII	9	"		
Stenelmis	L	III	3	"		N
S. crenata	A	I	1	"		
Bezzia/Palpomyia	L	X	10	Hilsenhoff 1995		
Ephydridae	P	II	2	Merr., Webb 2008		
Muscidae	L	⁄	5	"		
Simulium (S. bract/pilosum/violator)	P	I	1	Adler et al 2004		
Orthocladius (Orthocladius)	P	I	1	Coff. et al 1986		
Micropsectra	P	I	1	Fer. et al 2008		
Gammarus pseudolimnaeus	A	XII	12	Holsinger 1972		
Caecidotea racovitzai racovitzai	A	8II	42	Williams 1972		
Dugesiidae	A	XII	12	Norena et al 2016		
Naididae	A	I	1	~~Brin~~ Brin. Cold. 1981		
~~Splits 3 Chironomidae~~	~~L~~	~~⁄I~~ ND				
Tanypodinae 08270000	L	I	1	Cranston 2013	mt indet.	N
Conchapelopia	L	0⁄IIII	29	Cran. Epler 2013		
Thienemannimyia group	L	⁄IIII	9	"	mt indet/imm	n=3, Y
Orthocladiinae 08300000	L	II	2	Cranston 2013	mt indet/imm	N
Parakiefferiella	L	II	2	Ander. et al 2013		
Parametriocnemus	L	I	1	"		
Tvetenia bavarica group	L	⁄	5	Bode 1983		
Orthocladius (Orthocladius)	L	I	1	Ander. et al 2013		
Cricotopus (Cricotopus) bicinctus group	L	X⁄II	17	"		
Chironominae 08330000	L	II	2	Cranston 2013	mt indet/imm	N
Cryptochironomus	L	I	1	Epler et al 2013		
Dicrotendipes	L	88⁄	85	"		

Wisconsin Department of Natural Resources
ABL SampleNum: **20170928-57-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Babb Creek**
SWIMS Database Key: **150534591**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Micropsectra	L	8x11	52	Epler et al 2013		
Microtendipes pedellus group	L	0/	25	"		
Paratanytarsus	L	III	3	"	mt indet	N
P. species A	L	II	2	Hilsenhoff in publ.		
P. longistilus	L	II	2	Epler et al 2013		
Paratendipes	L	III	3	"		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (Uresipedilum) flavum	L	-III	8	"		
Pseudochironomus	L	II	2	Epler et al 2013		
Rheotanytarsus	L	0-II	27	"		
Tanytarsus	L	IIII	4	"		