

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name BABB CREEK		Waterbody ID Code 1279100	Sample ID (YYYYMMDD-CY-FD) 20170928-57-03
Sampling Location		Database Key 150534609	
SWIMS Station ID 10031633		SWIMS Station Name BABB CREEK PRESTON AVE. BRIDGE	
Latitude 43.53373	Longitude -90.02338	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name CROSSMAN CREEK AND LITTLE BARABOO R	County SAUK

Sample and Site Descriptors	
Sample Collector (Last Name, First) JEAN UNMUTH	Project Name SOUTH DISTRICT FOLLOW UP MONITORING FOR IMPAIRM

Sampling Device

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) 60	Estimated Area Sampled (m <sup>2</sup> ) 5.0	Number of Samples in Composite 0	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference       Baseline       Impact / Treatment Site  
 Control Site       Trend       Other: Followup

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.65	Average Stream Width of reach (m) 4.0
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_

Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: 20 Overhanging Vegetation: 40

Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 20 Coarse Woody Debris: 20 Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) \_\_\_\_\_ Canopy Cover at Sample Site (%) 40

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Justin Kowalski	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 1/25/18	Specimens Saved Subsample archived in ABL under Apr 2021	

A2 D2 C2 D3 E3 E2  
 58 28 30 19  
 135

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Stenacron intermedium</i>	L	ii	2	Klueberanz 2016		
<i>Calopteryx maculata</i>	L	i	1	West, May 1996		
Limnephilidae	L	iii	3	Hilsenhoff 1995	imm	
<i>Macronychus clabratus</i>	A	i	1	Nils, Schmidt 1992		
<i>Liodessus affinis</i>	A	i	1	Hilsenhoff 1994		
Ephydriidae	P	ii	2	Mem, Webb 2008		
<i>Helius</i>	L	i	1	Hilsenhoff 1995		
<i>Brillia</i>	P	i	1	Fors. et al. 2008		
<i>Parakiefferiella</i>	P	iii	3	"		
<i>Microsestra</i>	P	i	1	"		
<i>Gammarus pseudolimnoides</i>	A	8-11	47	Holsinger 1972		
<i>Belostoma flumineum</i>	A	iii	3	Hilsenhoff 1984a		
Naididae	A	xiii	14	Bron, Gled. 1991		
<i>Levinsax fuscus</i>	A	xii	12	Burch 1982		
<del>Spit A3 Chironomidae</del>	<del>L</del>	<del>ii-NP</del>				
<i>Thienemannimyia</i> group	L	ii	2	Gran, Eper 2013	imm	
Orthocladinae 08300000	L	i	1	Gransten 2013	mt indet	N
<i>Brillia</i>	L	xi	11	Ander-t3 2013	imm	N
<i>B. flavifrons</i>	L	iiii	4	Eper 2001		
<i>Corynoneura</i>	L	i	1	Ander-t3 2013		
Limnophyes	L	i	1	"		
<i>Parakiefferiella</i>	L	-iiii	4	"		
<i>Cricotopus</i>	L	xii	12	"		
Chironomidae 08330000	L	ii	2	Gransten 2013	imm	N
<i>Chironomus</i>	L	i	1	Eper et al 2013		
<i>Microsestra</i>	L	x-iiii	19	"		
<i>Microtendipes pedellus</i> group	L	i	1	"		
<i>Paratanytarsus</i>	L	i	1	"	mt indet	N
P. species A	L	x-i	15	Hilsenhoff unpubl.		
P. species B	L	i	1	"		
<i>Phaenosestra obediens</i> group	L	ii	2	Eper 2001	imm	
<i>Polypedilum</i>	L	iii	3	Eper et al 2013	imm	N
P. ( <i>Polypedilum</i> ) <i>illinoense</i> group	L	iii	3	Bolton 2012		
P. ( <i>P.</i> ) <i>laetum</i> group	L	i	1	"		