

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name WEST BRANCH BARABOO RIVER		Waterbody ID Code 1288400	Sample ID (YYYYMMDD-CY-FD) 20171005-63-01
Sampling Location			Database Key 150535185
SWIMS Station ID 10021116		SWIMS Station Name WEST BRANCH BARABOO RIVER DOWNSTREAM OF CTH FF	
Latitude 43.654053	Longitude -90.3351	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name SEYMOUR CREEK AND UPPER BARABOO RIVER	County VERNON
Sample and Site Descriptors			
Sample Collector (Last Name, First) JEAN UNMUTH		Project Name SOUTH DISTRICT FOLLOW UP MONITORING FOR IMPAIRMENT	
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) 8.0	Estimated Area Sampled (m²) 5.0	Number of Samples in Composite	Replicate No. _____ of _____
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)
Water Color		Estimated Stream Velocity (m/s)	
☐ Clear ☒ Turbid ☐ Stained		☒ 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) 1.0		Average Stream Width of reach (m) 6.0
Composition of Substrate Sampled (Percent):			
Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____			
Sand: _____ Clay: _____ Silt/Muck: 10 Overhanging Vegetation: 40			
Aquatic Macrophytes: _____ Leaf Snags: 30 Coarse Woody Debris: 20 Other (): _____			
Embeddedness of Substrate at Sample Site (%) 100 Canopy Cover at Sample Site (%) 0			

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Dimick, Jeffrey	20%
Date Processed	Specimens Saved	
11/29/18	Subsample archived in ABC until Apr 2021	

2E-56 IB=61
2C=44 161

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Skudacron	L	I	1	Kubertenz 2016		
Calopteryx maculata	L	I	1	West May 1996		
Enallagma	L	-III	8	"	imm	N
E. cyathigerum	L	I	1	"		
E. divagans	L	I	1	"		
Coenagrion / Enallagma	L	x-III	18	Schmude unpubl.		
Cheumatopsyche	L	III	3	Hilsenhoff 1995		
Limnophilidae	L	I	1	"	imm	
Dubiraphia menima	A	I	1	Hils., Schm. 1992		
Macrarchus glabratus	A	I	1	"		
Dixaella	L	I	1	Hilsenhoff 1995		
Anopheles	L	III	3	Wall, Walk. 2008		N
Anopheles	P	II	2	"		
Culicidae	P	I	1	Merr, Webb 2008	dam	N
Thienemannella	P	I	1	Ferr. et al. 2008		
Cricotopus (Cricotopus)	P	I	1	Coff et al. 1986		
Paracladopelma	P	I	1	Ferr. et al. 2008		
Gammarus pseudolimnensis	A	I	1	Walsby 1972		
Hyaella	A	I	1	Pennak 1978		
Ceriodonta	A	II	2	Williams 1972	few	
Naididae	A	II	2	Brinkley 1991		
Tubificoid Naididae w/ capilliform chaetae	A	I	1	Ersev et al 2008		
Physa	A	III	4	Rogers 2016		
Split A3 Chironomidae	L	III-JD				
Thienemannimyia	L	II	2	Crane, Epler 2013		
Chironomidae 08330000	L	III	3	Crane 2013	imm	N
Dicropodops	L	II	2	Epler et al 2013		
Glyptotendipes	L	B-I	46	"		
Microsestra	L	-I	6	"		
Paratanytarsus sp. A	L	-III	8	Hilsenhoff unpubl.		
Polypedilum (Polypedilum) illinoense group	L	0-I	26	Bolton 2012		
A. (Uresipedium) flavum	L	-III	8	"		
Rhyacotanytarsus	L	-III	8	Epler et al 2013		