

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name NARROWS CREEK			Waterbody ID Code 1276400		Sample ID (YYYYMMDD-CY-FD) 20171003-57-02
Sampling Location					Database Key 150534762
SWIMS Station ID 10014259		SWIMS Station Name NARROWS 5			
Latitude 43.45704	Longitude -90.01533	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) LOWER WISCONSIN		Watershed Name NARROWS CREEK AND BARABOO RIVER		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) 8.0		Estimated Area Sampled (m ²) 5.0		Number of Samples in Composite 0	
				Replicate No. _____ of _____	
Reason For Sampling					
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☒ Other: <u>Followup</u>					
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) 0.10		Average Stream Width of reach (m) 4.5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>10</u>	
Sand: _____		Clay: _____		Gravel (ladybug to tennisball): <u>50</u>	
		Silt/Muck: <u>10</u>		Overhanging Vegetation: <u>20</u>	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: <u>10</u> Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) <u>80</u>		Canopy Cover at Sample Site (%) <u>0</u>			

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Taylor Hasz	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 15%
Date Processed 1-29-18	Specimens Saved subsample archived in ABL until Apr 2021	

D1 72

$$\begin{array}{r} A3 \ 64 \\ \hline 136 \end{array}$$

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	11	2	Kubertanz 2016		
<i>B. flavistorgia</i> species complex	L	1	1	"		
<i>Labobaetis frontalis</i>	L	1	1	"		
<i>Maccaffertium terminatum</i>	L	1	1	"		
<i>Calopteryx maculata</i>	L	1	1	West, May 1996		
<i>Erallagma</i>	L	1	1	"	imm	
<i>Hydropsychidae</i>	L	1	1	Hilsenhoff 1985	imm	N
<i>Cheumatopsyche</i>	L	11	2	"		
<i>Hydropsyche betteni</i>	L	1	1	Schm. Hils. 1986		
<i>Ceratopsyche</i>	L	1	1	Hilsenhoff 1985		
<i>C. brenta</i>	L	1	1	Schm. Hils. 1986		
<i>C. sparna</i>	L	1	1	"		
<i>Leucotrachia pictipes</i>	L	1	1	Hilsenhoff 1985		
<i>Limnephilidae</i>	L	111	3	"	imm	
<i>Philotomis</i>	L	1	1	"		
<i>Psychomyia flava</i>	L	1	1	"		
<i>Hemerodromia</i>	L	1	1	Coast, Mead 2008		
<i>Simulium vittatum</i> species complex 08110217	L	11	2	Acker et al 2004		
<i>Cricotopus</i> (<i>Cricotopus</i>)	P	44	5	Co. et al. 1986		
<i>Gammarus pseudolimnaeus</i>	A	8-1111	49	Holsinger 1972		
<i>Naididae</i>	A	1	1	Brady, G. C. 1991		
Tubificoid Naididae w/o capilliform chaetae	A	x-11	17	Erseus et al 2008		
<i>Laevarex fuscus</i>	A	11	2	Rogers 2016		
<i>Physa</i>	A	1	1	"		
<i>Hydrobiidae</i>	A	1	1	"		
<i>Campelema</i>	A	1	1	"		
Spill A Chironomidae	L	11-1111				
<i>Eukiefferiella</i>	L	1	1	Acker + 3 2013	dam	Y
<i>Eu. claripennis</i> group	L	11	2	"		
<i>Eu. devonica</i> group	L	1	1	"		
<i>Parakiefferiella</i>	L	11	2	"		
<i>Orthocladus</i> (<i>Orthocladus</i>)	L	1	1	"		
<i>Cricotopus</i> / <i>Orthocladus</i>	L	111	3	Ferr et al 2008	mt indet imm	N
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bicinctus</i> group	L	1111	4	Acker + 3 2013		
<i>C. (C.) tremulus</i> group	L	1111	4	"		
<i>Chironominae</i> 08330000	L	1	1	Cransden 2013	imm	N

3 taxa, TVAL ≤ 2.0
 3 < 6.1 x 125)

Taxonomist: Dimick, Jeffrey

Page 2 of 2

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