

See note below

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name BADGER MILL CREEK		Waterbody ID Code 888100	Sample ID (YYYYMMDD-CY-FD) 20211011-13-02
Sampling Location 30m upstream STH 69		Database Key 292570150	
SWIMS Station ID 10011966		SWIMS Station Name BADGER MILL CREEK - STH. 69 UPSTREAM TO FENCELINE IN PASTURE	
Latitude 42.93436	Longitude -89.62263	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name UPPER SUGAR RIVER	County DANE
Sample and Site Descriptors			
Sample Collector (Last Name, First) KIMBERLY A KUBER, JAMES F AMRHEIN		Project Name IMPACT OF NEW ZEALAND MUDSNAILS ON SOUTHERN WI	
Sampling Device <input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate		<p>* This sample is ↑ part of the NZM project however it should be handled as a routine bug sample. You do not need to look for NZMs. GA</p>	
Habitat Sampled <input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone			
Total Sampling Time (min) 1	Estimated Area Sampled (m²) 1		
Reason For Sampling <input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend			
Water Temp. (C) 16.0	D.O. (mg/l) 8.39	D.O. (% sat.) 85.3	pH (su)
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained		Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> 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)	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): <u>60</u>
Sand: <u>10</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____
Embeddedness of Substrate at Sample Site (%) <u>10</u>		Canopy Cover at Sample Site (%) <u>80</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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Rachael Valeria, Trevor, Kayla</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>63 %</i>
Date Processed <i>4/13/2022</i>	Specimens Saved <i>Subsample 125 archived in ABC until May 2025</i>	

1st pill
 2nd pill

D2	B2	A4	D3	B4	C1	A1
Q1 Q3 Q4 Q2	Q3 Q2 Q4 Q1	4	Q3 Q4 Q1 Q2	Q4 Q3 Q2 Q1	12	3+7 = 90 → 0.44
5 4 6 4	8 5 11 2		1 0 1 1	3 4 6 3		(0.035)
	D4	B4	A4	D2	C3	
	9	5	8	1 3 2 1	0 3	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Hydropsyche betteni</i>	L	iii	3	Schm Hols 1986		
<i>Optiosevus</i>	L	iii	3	MCB 2019	imm	N
<i>P. fastiditus</i>	L	iii	3	Hols Schm 1992		
<i>Problezzia</i>	L	iii	3	Hols 1995		
<i>Cricotopus (Cricotopus) krifascia</i> group	P	i	1	Wieder 1986		N
<i>Simulium vittatum</i> species complex 08110217	L	-i	6	Adl et al 2004		1
<i>Chrysope</i>	L	i	1	MCB 2019		
<i>Gammarus pseudolimnaceus</i>	A	xi	34	Hols 1972		
<i>Caecidotea intermedia</i>	A	x-iii	19	Will 1972		
<i>Dugesidae</i>	A	xi	11	Thorp Poy 2016		
<i>Nardmae</i>	A	i	6	Kath Brin 1998		Y
<i>Trochirona (w/o hairs)</i>	A	xi	33	"		Y
<i>Ophidiana serpentina</i>	A	ii	2	"		
<i>Pristina</i>	A	(iv)		"		
<i>Eppobdellidae</i>	A	xvi	6	Thorp Poy 2016	dam	
<i>Potamoopygus antipodarum</i>	A	7481	7481	"		
<i>Pisidium</i>	A	01	21	"		
<i>Sphaerium</i>	A	"	2	"		
<i>Hydrobatas</i>	A	"	2	Peck et al 1990		
<i>Derosus</i>	L	i	1	MCB 2019		
<i>Split A2 Chironomidae</i>	L	x-xx				
<i>Cricotopus (Cricotopus) krifascia</i> group	L	i	1	Adl et al 2013		
<i>Cryptochironomus</i>	L	x	15	"		
<i>Split A3 worm</i>	A	B-xx				
<i>Conchapelonia</i>	L	iii	3	Adl et al 2013		
<i>Thienemannimyza</i> group	L	i	1	"	imm	N
<i>Thienemanniella xena</i>	L	i	1	Bolton 2012		
<i>Chironominae</i>	L	i	1	Adl et al 2013	imm	N
<i>Dicrotendipes</i>	L	i	1	"		
<i>Microtendipes pedellus</i> group	L	i	1	"		
<i>Paratanytarsus</i>	L	i	1	"		N
<i>P. species A</i>	L	ii	2	Hols unpub 1		
<i>Paratendipes</i>	L	xiiii	14	Adl et al 2013		
<i>Polypedilum (Vesipedilum) flavum</i>	L	ii	2	Bolton 2012		
<i>Stethochironomus</i>	L	ii	2	Adl et al 2013		

<3 taxa, TVAL ≤ 2.0

