

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MT VERNON CREEK		Waterbody ID Code 886600	Sample ID (YYYYMMDD-CY-FD) 20171013-13-04
Sampling Location <i>15 m Downstream CTH U</i>			Database Key 150694312
SWIMS Station ID 10013350		SWIMS Station Name MT VERNON CREEK AT HWY U	
Latitude <i>42.94035</i>	Longitude <i>89.64702</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name WEST BRANCH SUGAR RIVER - MT. VERNON	County DANE

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

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) <i>5</i>	Estimated Area Sampled (m ²) <i>2</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <i>11.6</i>	D.O. (mg/l) <i>11.71</i>	D.O. (% sat.) <i>107.2</i>	pH (su) <i>7.63</i>	Conductivity (umhos/cm) <i>566</i>	Transparency (cm)
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *40* Gravel (ladybug to tennisball): *60*

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

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

Embeddedness of Substrate at Sample Site (%) *0* Canopy Cover at Sample Site (%) *20*

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			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Murphy ste. ridge	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 10/9/18	Specimens Saved Subsample archived in ABC until Jan 2022	

3 B 116 ~~3R~~
 1 B 71 Total: 187

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis hannericolar</i>	L	iiii	4	Klob 2016		
<i>B. tricaudatus</i>	L	i	1	"		
<i>Brachycentrus occidentalis</i>	L	i	1	Hils 1985		
<i>Microsema gelidum</i>	L	iiii	4	"		
<i>Cheumatopsyche</i>	L	xiiii	14	Hils 1985		
Hydromyiidae	L	i	1	"		
<i>Ceratopsyche</i>	L	i	1	"		
<i>C. slovicorum</i>	L	iiii	8	Schubils 1986		
<i>Lepidostoma</i>	L	iiii	9	Hils 1985		
<i>Orthosericus</i>	L	ii	2	Hils & Schm 1992	imm	N
<i>O. fastidius</i> L, 7 A, 1	LA	iiii	8	"		
<i>Hemerodromia</i>	L	i	1	Court Mein 2008		
<i>Antocha</i>	L	xi	11	Hils 1985		
<i>Diamesa</i>	P	ii	2	Ferr et al 2008		
<i>Orthocladius (Orthocladius)</i>	P	iii	3	Coff et al 1986		
<i>Cricotopus (Cricotopus)</i>	P	iii	3			
<i>Gammarus pseudolimnoides</i>	A	xxiiii	43	Hils 1972		
<i>Caecidotea</i>	A	i	1	Will 1972	imm	
<i>Trochidiformes</i>	A	i	1	Thorp Reg 2016	imm	N
<i>Hydrates</i>	A	iiii	4	Alvch 1984		
<i>Lebertia</i>	A	xii	12	"		
<i>Speleon</i>	A	iiii	4	"		
<i>Saephanopsis</i>	A	i	1	"		
<i>Mermithidae</i>	A	i	1	Thorp Reg 2016	imm	
<i>Naidinae</i>	A	ii	2	Brin Geld 1991		
<i>Tubificonae (without hairs)</i>	A	ii	2	Klemm 1985		
<i>Glossiphonia complanata</i>	A	i	1	"		
<i>Physa</i>	A	i	1	Thorp Reg 2016		
<i>Potamoxyrgis antopedarum</i>	A	iii	3	"		
Split A3 Chironomidae	L	iiii (ii)				
<i>Ceratopelopia 08270700</i>	L	i	1	Crain Ep1 2013		
<i>Theromannimyia 08210000</i>	L	i	1	"	not ident	N
<i>Orthocladius 08300000</i>	L	ii	2	Crain 2013	imm	N
<i>Diamesa</i>	L	iiii	4	Saath & Ander 2013		N
<i>Pogastia</i>	L	i	1	"		
<i>Brillia</i>	L	i	1	Ander + 3 2013	imm	

