

Instructions: **Bold** fields must be completed.

**Station Summary**

<b>Waterbody Name</b> MT VERNON CREEK		<b>Waterbody ID Code</b> 886600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181015-13-07
<b>Sampling Location</b> 15 m downstream of GH U			<b>Database Key</b> 169818588
<b>SWIMS Station ID</b> 10013350		<b>SWIMS Station Name</b> MT VERNON CREEK AT HWY U	
<b>Latitude</b> 42.94036	<b>Longitude</b> 89.64710	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> SUGAR - PECATONICA		<b>Watershed Name</b> WEST BRANCH SUGAR RIVER - MT. VERNON	<b>County</b> DANE

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> AMRHEIN, JAMES	<b>Project Name</b> SCR LONG-TERM TREND WADEABLE REFERENCE STREAM
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**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

<b>Total Sampling Time (min)</b> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 9.7	<b>D.O. (mg/l)</b> 12.84	<b>D.O. (% sat.)</b> 112.6	<b>pH (su)</b> 8.07	<b>Conductivity (umhos/cm)</b> 594	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30  
 Sand: 20 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 (%)** 0

**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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
<b>Biological</b>			<b>Chemical</b>		
		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:	<b>Sources of Stream Impacts</b>		
					Bank Erosion
					Point Source - Specify:
<b>Physical</b>					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 <i>Coash, Natalie</i>	Taxonomist <i>Demock, Jeffray</i>	Estimated Percent of Sample Sorted <i>47%</i>
Date Processed <i>10/23/2019</i>	Specimens Saved <i>130 total Subsample archived in ABL until Jan 2023</i>	

*E3-14 D3-16 > 76 Combined A3 D1 > 50 Emergency A1  
 D2-22 E2-24 = 126 + 4 QC specs  
 C1*

1/5  
2/8  
3/9

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolar	L	III	8	Klub 2016		
B. tricaudatus	L	-	5	"		
B. flavistriga species complex	L	II	2	"		
Brachycentrus occidentalis	L	III	3	Hils 1985		
Cheumatopsyche	L	II	2	Hils 1985		
Lepidostoma	L	I	1	"		
Optiosevus	L	III	4	Hils Schum 1992	imm	N
O. fastiditus	L	-	5	"		
Probezzia	L	I	1	Hils 1985		
Hemerodromia	L	I	1	Coast Mar 2008		
<del>the</del> Neoplasta	L	I	1	"		
Athericidae	A	I	1	Merrill 2008		
Antocha	L	III	3	Hils 1985		
Simulium vittatum species complex 0810217	L	I	1	Adl et al 2004		
Dramesa	P	II	2	Ferr et al 2008		
Orthocladiinae 0830001	P	I	1	"	dam	N
Cricotopus (Cricotopus)	P	II	2	Cooper et al 1986		
Orthocladius	P	III	4	Ferr et al 2008		N
Tretenna	P	I	1	"		
Micropsectra	P	I	1	"		
Paratanytarsus	A	III	3	"		N
Gammarus pseudolimnoides	A	III-III	39	Hils 1972		
Caecidotea	A	II	2	Will 1972	imm	
Hydrobates	A	II	2	Pluch 1984		
Lebertia	A	-I	6	"		
Oxus	A	I	1	"		
Sperchonopsis	A	I	1	"		
Dugesidae	A	I	1	Thorpizog 2016		
Physa	A	I	1	"		
Potamopyrgus antipodarum	A	II	2	"		
Pisidium	A	II	2	Mackie 2007		
Naidinae	A	II	2	Brinkeld 1991		
Megadrili = Metasynophora	A	I	1	Thorpizog 2016		
Conchapelopia 08270700	L	I	1	Cran Epl 2013		
Thienemannimyia group	L	III	3	"	imm	
Orthocladiinae 0830000	L	III	3	Cranston 2013	dam/imm	N
Orthocladius (Orthocladius)	L	X	10	And + 3 2013		

3 taxa, TVAL ≤ 2.0

9 < (0.1 x 117)

