

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

Station Summary			
Waterbody Name WEST BRANCH SUGAR RIVER		Waterbody ID Code 886100	Sample ID (YYYYMMDD-CY-FD) 20171003-13-03
Sampling Location <i>100 m downstream CTH G</i>			Database Key 150693356
SWIMS Station ID 10013056		SWIMS Station Name WEST BRANCH SUGAR AT TRIB. DOWNSTREAM OF HWY G (SEGMENT 7A)	
Latitude <i>42.93008</i>	Longitude <i>89.57527</i>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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 WEST BRANCH SUGAR RIVER 303(D) EVALUATION

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>2</i>	Estimated Area Sampled (m <sup>2</sup> ) <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>15.1</i>	D.O. (mg/l) <i>11.50</i>	D.O. (% sat.) <i>114.4</i>	pH (su) <i>7.97</i>	Conductivity (umhos/cm) <i>735</i>	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" 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): *30* Gravel (ladybug to tennisball): *40*  
 Sand: *20* Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: *10* Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) *40* 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		Local	Water-shed	Factors that may be influencing Water Resource Integrity		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:			
				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>Macayla Greider</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 13
Date Processed 1/22/18	Specimens Saved <i>Subsample archived in ABL until Apr 2021</i>	

B1-74  
 E2-79  
 (153)

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	III	33	Klubertanz 2016		
<i>B. flavistriga</i> species complex	L	III	4	"		
<i>Stenacron</i>	L	-	5	"	imm	
<i>Brachycentrus occidentalis</i>	L	III	4	Hilsenhoff 1985		
<i>Chromatopsyche</i>	L	I	1	Hilsenhoff 1985		
<i>Hydropsyche betteni</i>	L	II	2	Schm., Hils. 1986		
<i>Ceratopsyche slossonae</i>	L	I	1	"		
<i>C. sparna</i>	L	II	2	"		
<i>Amphipsocus fastidius</i> L, 4 A, 1	L, A	-	5	Hils., Schm. 1992		
<i>Probezzia</i>	L	I	1	Hilsenhoff 1985		
<i>Simulium vittatum</i> species complex 08110217	L	II	2	Ader et al 2004		
<i>Antocha</i>	L	III	3	Hilsenhoff 1985		
<i>Dicranota</i>	L	I	1	"		
<i>Limnophila</i>	L	I	1	"		
<i>Tvetenia</i>	P	II	2	Ferr. et al. 2008		
<i>Gammarus pseudolimnacus</i>	A	-III	9	Holsinger 1972		
<i>Caecidotea racovitzai racovitzai</i>	A	0	2	Williams 1972		
Meamithrida	A	I	1	Poczar 1991	imm	
Naididae	A	III	3	Born, Ceki 1991		
Tubificoid Naididae w/ capilliform chaetae	A	III	32	Ersev et al 2008		
Tubificoid Naididae w/ capilliform chaetae	A	I	1	"		
<del>Aspidium Empty</del>	A	-		13 weeks 1992		
<del>Spit A3 Chironomidae</del>	L	III				
<i>Conchapelonia</i>	L	II	2	Cran, Epler 2013		
<i>Brillia</i>	L	II	2	Ader + 3 2013	imm	N
<i>B. flavifrons</i>	L	I	1	Epler 2001		
<i>Eukiefferiella dampensis</i> group	L	III	3	Ader + 3 2013		
<i>Eu. devonica</i> group	L	II	2	"		
<i>Parakiefferiella</i>	L	-	5	"		
<i>Theremanniella</i>	L	I	1	"	imm	N
<i>Th. xena</i>	L	III	3	Bolton 2012		
<i>Tvetenia bavarica</i> group	L	-III	8	Bode 1983		
<i>Orthocladius</i> ( <i>Orthocladius</i> )	L	I	1	Ader + 3 2013		
<i>Cricotopus</i> ( <i>Cricotopus</i> ) <i>bicolor</i> group	L	II	2	"		
<i>C. (C.) tremulus</i> group	L	III	4	"		
Chironominae 08330000	L	I	1	Cranston 2013	und det	N

< 3 taxa, TVAL ≤ 2.0

