

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LEGLER SCHOOL BR		Waterbody ID Code 882900	Sample ID (YYYYMMDD-CY-FD) 20171004-23-07
Sampling Location 3 m upstream of bike trail bridge		Database Key 150693608	
SWIMS Station ID 10037399		SWIMS Station Name LEGLER SCHOOL BRANCH AT STH 69	
Latitude 42.80323	Longitude 89.63239	Lat/Long Determination Method (circle) SWIMS SWDV <b>GPS</b>	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name LITTLE SUGAR RIVER	County GREEN

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name LEGLER SCHOOL AND PIONEER VALLEY TWA 2017

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) 1	Estimated Area Sampled (m <sup>2</sup> ) 1	Number of Samples in Composite 1	Replicate No. _____ of _____
--------------------------------	---	-------------------------------------	------------------------------

Reason For Sampling

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

Water Temp. (C) 15.4	D.O. (mg/l) 10.53	D.O. (% sat.) 105.2	pH (su) 7.96	Conductivity (umhos/cm) 629	Transparency (cm)
-------------------------	----------------------	------------------------	-----------------	--------------------------------	-------------------

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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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): 20 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: 10 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		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			
<b>Physical</b>				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>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>4/5/18</i>	Specimens Saved <i>Subsample archived in lab until Jun 2021</i>	

*cl  
132*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolar	L	8 III	34	Kluberanz 2016		
B. tricaudatus	L	I	1	"		
B. flavistriga species complex	L	-II	7	"		
Brachycentrus <del>americanus</del> occidentalis	L	I	1	Hilsenhoff 1985		
Cnemidontomyia	L	I	1	Hilsenhoff 1985		
Hydropsyche	L	I	1	"	imm	N
H. betteni	L	II	3	Schm., Hils. 1986		
Ceratopsyche glossaria	L	I	1	"		
Optipsephus	L	-IV	7	Hils., Schm. 1992	imm	N
O. fastidius	L	II	2	"		
Nemerochromia	L	III	3	Coat, Merr. 2008		
Simulium vittatum species complex OB110217	L	-	5	Ader et al 2014		
Simulium	P	II	2	"		
Dixa	L	I	1	Hilsenhoff 1985		
Gammarus pseudolimnoides	A	8 III	43	Holsinger 1972		
Caecidotea intermedia	A	II	2	Williams 1972		
Ahidonais serpentina	A	I	1	Klemm 1985		
<del>Hydracarina</del> Tubificoid Naididae w/ <del>hair chaetae</del>	A	I	1	Ersev et al 2008		
Physa	A	4	2	Rogers 2016		
Conchapelonia	L	I	1	Cran, Epler 2013		
Parakiefferiella	L	II	2	Ader + 3 2013		
Thienemannella	L	I	1	"	dam	
Tvetenia bavaria group	L	I	1	Bode 1983		
Orthocladus (Orthocladus)	L	I	1	Ader + 3 2013		
Cricotopus (Isocladius) sylvestris group	L	I	1	"		
Micropeetra	L	XII	12	Epler et al 2013		
Cryptochironomus	L	I	1	"		
Microtendipes pedellus group	L	I	1	"		
Rhyacotarsus	L	II	2	"		
Tanytarsus	L	I	1	"		

< 3 taxa, TVAL ≤ 2.0