

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

Station Summary

Waterbody Name PIONEER VALLEY CREEK		Waterbody ID Code 883100	Sample ID (YYYYMMDD-CY-FD) 20171004-23-01
Sampling Location 100 m upstream of CTHO			Database Key 150693523
SWIMS Station ID 10037209		SWIMS Station Name PIONEER VALLEY CREEK AT CTHO	
Latitude 42.83814	Longitude 89.65573	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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
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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

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 2	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 13.5	D.O. (mg/l) 9.20	D.O. (% sat.) 88.2	pH (su) 7.96	Conductivity (umhos/cm) 595	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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 100
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) — 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
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>Sam Lammarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>3/19/18</i>	Specimens Saved <i>Subsample archived in ABC until Jun 2021</i>	

*ac D1 B3 A2 13 S total
 69 13 53*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	Kluebertanz 2016	dam	N
Baetis brunneicolar	L	8811	72	"		
^{1/3} Brachycentrus occidentalis	L	III	3	Hilsenhoff 1995		
Ceratopsyche slossonae	L	I	1	Schum. Hils. 1986		
^{2/4} Lepidostoma	L	IIII	4	Hilsenhoff 1995		
Hydrophylax argus	L	-I	6	"		
Limnephilus	L	I	1	"		
Coleoptera <u>Hydrophilidae?</u>	A	I	1	Bassett et al 1976	dam	
Ephydriidae	P	XI	11	Merrill Webb 2008		
Simulium tuberosum species group	L	<IIII	9	Acker et al 2004		
S. vittatum species complex 08110217	L	IIII	4	"		
Dixa	L	XII	12	Hilsenhoff 1995		
Gammarus pseudolimnoides	A	XI	15	Holsinger 1972		
Caecidotea	A	I	1	Williams 1972	imm	
Introbicoid Naididae w/o hair character	A	-III	8	Ersev et al 2008		
Pseudosuccinea columella	A	II	3	Burch 1982		
Physa	A	-	5	Rogers 2016		
Pisidium	A	I	1	Burch 1972		
Split A3 Chironomidae	L	I-200				
Conchapelopia	L	II	2	Cranston Epler 2013		
Rheopelopia	L	I	1	"		
Thienemannimyia group	L	I	1	"	imm	N
Brillia	L	IIII	4	Anders 2013	imm indet/imm	N
B. flavifrons	L	I	1	Epler 2001		
Tvetenia basarica group	L	III	3	Bode 1983		
Chironominae 08330000	L	II	2	Cranston 2013	not idet	N
Tanytarsus	L	I	1	Epler et al 2013		

< 3 taxa, TVAL ≤ 2.0