

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name RACCOON CREEK		Waterbody ID Code 874000	Sample ID (YYYYMMDD-CY-FD) 20171113-54-04
Sampling Location <i>5 m downstream of STA 81</i>			Database Key 151303102
SWIMS Station ID 10013075		SWIMS Station Name RACCOON CREEK - HWY 81 BRIDGE	
Latitude <i>42.52654</i>	Longitude <i>89.19557</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 LOWER SUGAR RIVER	County ROCK

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>1</i>	Estimated Area Sampled (m ²) <i>1</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>5.0</i>	D.O. (mg/l) <i>12.59</i>	D.O. (% sat.) <i>99.2</i>	pH (su) <i>8.27</i>	Conductivity (umhos/cm) <i>587</i>	Transparency (cm)
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Water Color Estimated Stream Velocity (m/s)

Clear Turbid Stained Slow (< 0.15 m/s) Moderate (0.15 m/s - 0.5 m/s) 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)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): *10* Rubble (tennisball to basketball): *60* Gravel (ladybug to tennisball): *20*
 Sand: *10* 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		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 Lamarche</i>	Taxonomist <i>Dimick Jeffroy</i>	Estimated Percent of Sample Sorted <i>13.90</i>
Date Processed <i>10/23/18</i>	Specimens Saved <i>subsample archived in ABC until Jan 2022</i>	

*ID 3C
 86 62*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	III	3	Hils 1995	imm	N
T. burksi	L	II	2	Foil Stew 1980		
T. nivalis	L	-I	6	"		
Baetis brunneicolar	L	II	2	Kub 2016		
B. flavistriga species complex	L	I	1	"		
Heptageniidae	L	I	1	"	dam	N
Stenocran	L	II	2	"	imm	
Maccartentium	L	-I	6	"	imm	N
M. virarium	L	x-I	16	"		
Brachycentrus numerosus	L	III	3	Hils 1985		
Cheumatopsyche	L	x-III	19	Hils 1995		
Nyctopsyche betteni	L	x-II	12	Schmitts 1986		
Ceratopsyche slossonae	L	II	2	"		
Neophylax	L	III	3	Hils 1995		
Macronychus glabratus	L	I	1	Hils Schum 1992		
Ontoservus	L	-I	6	"	imm	N
O. fastidiosus L, 10 A, 1	L, A	x-I	11	"		
Liodesmus affinis	A	I	1	Hils 1994		
Hemerodromia	L	-	5	Coat Merr 2006		
Neonasta	L	II	2	"		
Simulium vittatum species complex OB1021B	L	III	4	Adl et al 2004		
Antocha	L	-	5	Hils 1995		
Dicranota	L	I	1	"		
Gammarus pseudolimnaeus	A	III	3	Hils 1972		
Coelocleber	A	I	1	Will 1972	imm	
Naididae	A	III	3	Scin Gel 1991		
Split A2 Chironomidae	L	III-JD				
Gnathamelonia OB210000	L	I	1	Coan Epl 2013		
Orthocladiinae OB300000	L	I	1	Coan et al 2013	imm	N
Parakiefferiella	L	I	1	Andert 3 2013		
Tretania bavariae CO21P	L	III	4	Bode 1983		
Cricotopus/orthocladius	L	-III	8	Fest et al 2006	imm	
Paratanytarsus	L	II	3	Epl et al 2013	mt indet	
Polypedilum (Uresipidulum) aviceps	L	II	2	Bolton 2012		
P.(U.) flavum	L	I	1	"		
Rheotanytarsus	L	-III	9	Epl et al 2013		

3 taxa, TVAL ≤ 2.0

307 (0.1 x 24)

