

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name RACCOON CREEK			Waterbody ID Code 874000		Sample ID (YYYYMMDD-CY-FD) 20190924-54-03	
Sampling Location <i>1 m downstream of STH 81</i>					Database Key 212665010	
SWIMS Station ID 10013075		SWIMS Station Name RACCOON CREEK - HWY 81 BRIDGE				
Latitude <i>42.52657</i>	Longitude <i>-89.19556</i>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>			Datum Used if using GPS <u>WGS84</u> or NAD83	
Basin (WMU) SUGAR - PECATONICA			Watershed Name LOWER SUGAR RIVER		County ROCK	
Sample and Site Descriptors						
Sample Collector (Last Name, First) CAMILLE BRUHN				Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAM		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____						
Habitat Sampled						
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> 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 _____	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend <input type="checkbox"/> Other: _____						
Water Temp. (C) <i>16.3</i>	D.O. (mg/l) <i>8.58</i>	D.O. (% sat.) <i>87.2</i>	pH (su) <i>7.98</i>	Conductivity (umhos/cm) <i>584</i>	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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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): <i>50</i>	Rubble (tennisball to basketball): <i>30</i>	Gravel (ladybug to tennisball): _____		
Sand: <i>20</i>		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____		
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____		
Embeddedness of Substrate at Sample Site (%) <i>20</i>				Canopy Cover at Sample Site (%) <i>10</i>		

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:		
Physical			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

5.4e
 2:00-3:30
 9:35-12:00
 3:50-5:30

For Lab Use Only

Sample Sorter Isabel Dunn	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted ~2%
Date Processed 10/27/2020	Specimens Saved Subsample archived in ABC until Dec 2023	

D3 B1 E2 + E3 + A2 + D1 E1 C3 C1 B2 B3
 Q3:5 Q2:7 46 8 14 15 Q2:7
 Q1: Q1: Q3: Q4: 13 13
 Q2: Q4: 38 84 92 106 121 128

128

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	11	2	Klob 2016		
<i>B. flavistriga</i> species complex	L	x11	12	"		
Heptageniidae	L	1	1	Merrittum B 2019	dam	N
<i>Mesochorus vicarius</i>	L	x1111	14	Klob 2016		
<i>Stenonema</i>	L	-1	6	Merrittum B 2019	imm	
<i>Brachycentrus occidentalis</i>	L	1	1	Hils 1985		
<i>Ceratopsyche breata</i>	L	1	1	Schm Hils 1986		
<i>C. slossonae</i>	L	1	1	"		
<i>Cheumatopsyche</i>	L	01111	24	Merrittum B 2019		
<i>Hydropsyche botteri</i>	L	-1	6	Schm Hils 1986		
<i>Polycentropus</i>	L	1	1	Merrittum B 2019		
<i>Ditricophia</i>	L	11	2	"		
<i>Ophidserius</i>	L	111	3	"	imm	N
<i>O. fastidius</i>	L	-11	7	Hils Schm 1992		
Lampyridae	L	1	1	Merrittum B 2019		
<i>Hemiteles</i>	L	1	1	"		
<i>Simulium vittatum</i> species complex 08110217	L	1	1	Adl et al 2004		
<i>Pilaria</i>	L	1	1	Merrittum B 2019		
<i>Gammarus pseudolimnacus</i>	A	x11	12	Hils 1972		
Caecidotea	A	1	1	Thorp Bog 2016	imm	
Sprentiidae	A	1	1	Peck et al 1990		
<i>Ferrissia rivularis</i>	A	1	1	Thorp Bog 2016		
<i>Pisidium</i>	A	1	1	"		
<i>Sphaerium simile</i>	A	1	1	Mackie 2007		
Nais	A	1	1	Kath Brin 1998		
Tubificanæ (without hairs)	A	-	5	"		
<i>Lumbriculus</i>	A	1	1	Thorp Bog 2016		
Spitt Az Chironomidae	L	011-20				
<i>Brillia</i>	L	1	1	Adl et al 2013	imm	
<i>Tvetenia bavarica</i> group	L	111	3	Bode 1983		
<i>Cladotanytarsus</i>	L	11	2	Adl et al 2013		
<i>Rheotanytarsus</i>	L	x1111	9	"		
<i>Orthocladinae</i> 0830000	L	1	1	"	mt end	N
<i>Cricotopus</i>	L	111	3	"		
<i>Orthocladus</i> (<i>Orthocladus</i>)	L	1	1	"		
<i>Chironominae</i> 0833000	L	1	1	"	imm	N
<i>Polypedilum</i> (<i>Urespedilum</i>) <i>aviceps</i>	L	111	3	Bolton 2012		

<3 taxa, TUAL ≤ 2.0

