

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name RACCOON CREEK		Waterbody ID Code 874000		Sample ID (YYYYMMDD-CY-FD) 20201005-54-03	
Sampling Location ~1m Downstream of Hwy 81 Bridge				Database Key 250465701	
SWIMS Station ID 10013075		SWIMS Station Name RACCOON CREEK - HWY 81 BRIDGE			
Latitude 42.52651	Longitude -89.19558	Lat/Long Determination Method (circle) SWIMS SWDV GPS		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) JAMES P AMRHEIN, CAMILLE M BRUHN, KIMBERLY KUBER			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) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite 1		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) 10.2	D.O. (mg/l) 13.85	D.O. (% sat.) 123.0	pH (su) 8.69	Conductivity (umhos/cm) 657	Transparency (cm)
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)		
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.3		Average Stream Width of reach (m) 3m		
Composition of Substrate Sampled (Percent):					
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 30		
Sand: 20	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____		
Aquatic Macrophytes: _____	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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
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>Elwer, Brenden</i>	Taxonomist <i>Dimock, Jeffrey</i>	Estimated Percent of Sample Sorted <i>50%</i>
Date Processed <i>1/27/2022</i>	Specimens Saved <i>Subsample 134 archived in ABC until Mar 2025</i>	

2.5 hrs. 1.5 1.8 2.2

B2	D2	8	2	8
Q1-3	Q2-5	18	9	20
Q3-4	Q3-6	9		22
Q2-3	Q4			12
Q4		53	72	
		18		

*134
50%
Thrs.
18*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	1	6	Klob 2016		
<i>Maccaffertium</i>	L	11	2	"	imm	Y
<i>M. vicarium</i>	L	1111	9	"		
<i>stenacron</i>	L	1	1	MCB 2019	imm	
<i>Taeniopteryx</i>	L	1	1	"	imm	
<i>Brachycentrus occidentalis</i>	L	1	1	Hils 1985		
<i>Ceratopsiche glossosae</i>	L	111	3	Schm Hils 1986		
<i>crematopsiche</i>	L	X	10	MCB 2019		
<i>Hydropsyche betteni</i>	L	X	10	Schm Hils 1986		
<i>Macronychus glabratus</i>	L	1	1	Hils 1985		
<i>Optoserinus</i>	L	1	1	MCB 2019	imm	N
<i>O-fastiditus</i>	L, 9	A, 4	13	Hils Schm 1992		
<i>Strelmris crenata</i>	A	1	1	"		
<i>Cricotopus (Cricotopus) bicinctus group</i>	P	1111	4	Coff et al 1986		Y
<i>Parakiefferiella</i>	P	1	1	MCB 2019		N
<i>Cladotanytarsus</i>	P	1	1	"		N
<i>Empididae</i>	L	1	1	"	dam	N
<i>Hemerochromia</i>	L	1111	6	"		
<i>Parametriocnemus</i>	P	1	1	"		
<i>Simulium fibroplatum</i>	L	1	1	Adl et al 2004		
<i>Antocha</i>	L	X	15	MCB 2019		
<i>Gammarus pseudolimnensis</i>	A	X	10	Hils 1972		
<i>Naididae</i>	A	01111	24	Kath Brin 1988		
<i>Split A2 Chironomidae</i>	L	B1, J20				
<i>Tetena bavaria group</i>	L	1	1	Bode 1983		
<i>Cladotanytarsus</i>	L	1111	10	And et al 2013		
<i>Cryptochironomus</i>	L	1	1	"		
<i>Microtendipes pedellus group</i>	L	1	1	"		
<i>Rhytanytarsus</i>	L	11	2	"		
<i>Orthocladius</i>	L	11	2	"	imm	N
<i>Cricotopus (Cricotopus)</i>	L	X	10	"		N
<i>C-(C) tremulos group</i>	L	1	5	"		
<i>Orthocladius (Orthocladius)</i>	L	0	20	"		
<i>Parakiefferiella</i>	L	1	1	"		
<i>Dicortendipes</i>	L	1	1	"		
<i>Tanytarsus</i>	L	1	1	"		