

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name ROWAN CREEK			Waterbody ID Code 1263700		Sample ID (YYYYMMDD-CY-FD) 20211015-11-01	
Sampling Location ~ 70 m upstream of ST11 # 57					Database Key 292586129	
SWIMS Station ID 10016029			SWIMS Station Name ROWAN CREEK - 20 M US HWY 51			
Latitude 43.386066		Longitude -89.39428		Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) LOWER WISCONSIN			Watershed Name LAKE WISCONSIN		County COLUMBIA	
Sample and Site Descriptors						
Sample Collector (Last Name, First) 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 checked="" type="checkbox"/> Riffle <input 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) 10.4	D.O. (mg/l) 10.95	D.O. (% sat.) 97.7	pH (su)	Conductivity (umhos/cm)		Transparency (cm)
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained				<input 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)		Average Stream Width of reach (m)		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 10	Gravel (ladybug to tennisball): 80		
Sand: 10		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____		
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____		
Embeddedness of Substrate at Sample Site (%) 10				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 Reed, Kayla	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted ① 6.25% ② 12.5%
Date Processed ① 10-27-22 ② 10-31-22	Specimens Saved ① 139 ②	② 133 subsamples archived in ABL until Jan 2026

2 hrs
 R2 q1: 48 B3 q1: 30
 q4: 39 q2: 22
 q3: q3:
 q2: q4:
 D3 q2: 12 A2 q4: 19
 q4: 18 q3: 21
 q1: 16 q2: 10
 q3: 13 q1: 24

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
<i>Baetis brunneicolor</i>	L	0	1		Klub 2016		
<i>B. flavistriga</i> species complex	L	2	0		"		
<i>Brachycentrus occidentalis</i>	L	0	1		Hils 1985		
<i>Ceratopsyche branta</i>	L	1	0		Schm Hils 1986		
<i>C. slossonae</i>	L	33	31		"		
<i>Cheumatopsyche</i>	L	8	7		MCB 2019		
<i>Hydropsyche betteri</i>	L	1	0		Schm Hils 1986		
<i>Hydropsyche</i>	L	1	0		Wiggins 1977		
<i>Optiservus</i>	L	18	8		MCB 2019	imm	N
<i>O. fastidius</i> R1 L, 7 A, 2 R2 L, 11 A, 2	L/A	9	13		Hls Schm 1982		
<i>Diamesa</i>	P	6	4		MCB 2019		N
<i>Corynoneura</i>	P	0	1		"		
<i>Cricotopus (Cricotopus)</i>	P	1	1		wieder 1986		N
<i>Eukiefferiella</i>	P	1	0		MCB 2019		N
<i>Orthocladius (Orthocladius)</i>	P	3	1		wieder 1986		N
<i>Nemerochromia</i>	L	0	1		MCB 2019		
<i>Simulium vittatum</i> species complex 08110217	L	1	0		Ander et al 2004		
<i>Antocha</i>	L	4	7		MCB 2019		
<i>Dicraneta</i>	L	4	0		"		
<i>Gammarus pseudolimnaceus</i>	A	14	14		Hils 1972		
Mermithidae	A	1	1		Thorp Reg 2016		
Dugesiiidae	A	4	3		"		
<i>Parakiefferiella</i>	P	0	1		MCB 2019		N
<i>Physo</i>	A	0	2		Thorp Reg 2016		
Enchytraeidae	A	1	0		"		
Naidinae	A	5	3		Kath Brin 1998		
Tubificinae (without hairs)	A	2	1		"		
<i>Hydrobates</i>	A	7	10		Peck et al 1990		
<i>Lebertia</i>	A	3	1		"		
Sperchonidae	A	2	7		"		
split to Chironomidae	L	29	19	ND			
<i>Diamesa</i>	L	5	8		Ander et al 2013		
<i>Pagastia</i>	L	1	1		"		
<i>Orthoclaudiinae</i>	L	1	1		"	imm	N
<i>Cricotopus (Cricotopus) trifascia</i> group	L	0	2		"		
<i>Eukiefferiella devonica</i> group	L	1	1		"		
<i>Orthoclaudius (Orthoclaudius)</i>	L	27	13		"		
<i>Parachoclaudius</i>	L	0	1		"		
<i>Parakiefferiella</i>	L	1	0		"		

* 3 taxa, TVAL ≤ 20
 3 < (0.1 x 250+)

