

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name ROCK CREEK		Waterbody ID Code 1750800		Sample ID (YYYYMMDD-CY-FD) 2021129-10-1	
Sampling Location US bridge ~50				Database Key 293164577	
SWIMS Station ID 10030170		SWIMS Station Name ROCK CREEK AT OWEN AVE AND ROCK CREEK RD			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BLACK RIVER		Watershed Name CAWLEY AND ROCK CREEKS		County CLARK	
Sample and Site Descriptors					
Sample Collector (Last Name, First) MYCAL RALEIGH			Project Name WCR 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) 2		Number of Samples in Composite 1		Replicate No. 1 of 1
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)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	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) 0.8		Average Stream Width of reach (m) 7m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 50	
Sand: _____		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 (%) 20		

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	PL	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	PL	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	N	U	Wetland	U	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Anna Powers	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 6.25% 10.9%
Date Processed 12/9/22 12/16/22	Specimens Saved 3 subsamples archived in ABL until Mar 2024	

6.5 hrs

C4 Q1-54 Q2-36 Q3

B2 Q4-30 Q2-44 Q1 Q3

164

A2 Q4-16 Q3-20 Q2-27 Q1-29

C4 Q1-15 Q4-23 Q3-14 Q2

C1 Q4 Q1 Q2 Q3

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
<i>Aesopina pygmaea</i>	L	6	2		Kub 2016		
<i>Caenis</i>	L	1	0		MCB 2019	dam	
<i>Leucrocuta</i>	L	0	2		"		
<i>Maccaffertium</i>	L	0	1		Kub 2016	dam	N
<i>M. medianum</i>	L	3	6		"		
<i>M. modestum</i>	L	0	1		"		
<i>Leptophlebiidae</i>	L	0	1		MCB 2019	dam	
<i>Allocaenia</i>	L	0	1		"		
<i>Paracaphura angulata</i>	L	1	0		Hitch 1974		
<i>Clia perla clia</i>	L	0	1		MCB 2019		
<i>Isoperla signata</i>	L	4	8		Hils 1962		
<i>Taeniopteryx burksi</i>	L	1	2		Full Stew 1980		
<i>T. nivalis</i>	L	1	0		"		
<i>Ceratopsyche</i>	L	5	6		Hils 1995	imm	N
<i>C. bicrista</i>	L	2	5		Schm Hils 1986		
<i>C. macrura bifida group</i>	L	2	0		"		
<i>Chematosyche</i>	L	17	18		MCB 2019		
<i>Hydropsyche betteri</i>	L	1	0		Schm Hils 1986		
<i>Hydropsyche</i>	L	0	2		MCB 2019		
<i>Leuctritrichia pictipes</i>	L	0	1		Hils 1995		
<i>Chimarra obscura</i>	L	2	4		Hils 1962		
<i>Psychomyia flavida</i>	L	0	1		Hils 1995		
<i>O. fastidius</i>	L	2	2		MCB 2019	imm	N
<i>O. fastidius</i>	L	1	2		Hils Schm 1992		
<i>Stenelmis</i>	L	0	1		MCB 2019		N
<i>S. crenata</i>	A	1	3		Hils Schm 1992		
<i>Bezzia/Palomyia</i>	L	0	1		Hils 1995		
<i>Oramesa 08280104</i>	P	1	1		MCB 2019		N
<i>Dicranota</i>	L	4	4		"		
<i>Prosimulium</i>	L	0	1		"	imm	
<i>Twinnara kibblesi</i>	L	1	0		Acker et al 2004		
<i>Dugesiiidae</i>	A	1	1		Thorp Zog 2016		
<i>Naididae</i>	A	9	6		Kath Brin 1999		
<i>Lebertia</i>	A	0	1		Reck et al 1990		
<i>Sperhoniidae</i>	A	1	1		"		
<i>split Az Chironomidae</i>	L	45	34	ND			
<i>Conchapelopia</i>	L	0	2		Acker et al 2013		
<i>Metopelopia</i>	L	1	0		"		
<i>Oramesa</i>	L	1	4		"		

