

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name ROCK CREEK		Waterbody ID Code 1750800	Sample ID (YYYYMMDD-CY-FD) 20171116-10-02
Sampling Location US ~55m; first riffle		Database Key 151159328	
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 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) 1	Estimated Area Sampled (m <sup>2</sup> ) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: \_\_\_\_\_

Water Temp. (C) 24.7	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 6
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 50 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ 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 (%) 30

**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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton		N	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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		N	U
				Point Source - Specify:		N	U
<b>Physical</b>				Pasturing of Livestock		N	U
Bank Erosion		N	U	Runoff: - Barnyard		N	U
Channelization: - Upstream		N	U	- Construction		N	U
- Downstream		N	U	- Cropland		N	PL
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		U	U	Wetland		U	U
Turbidity		PL	U	Other - Specify:			
Other - Specify:							

Comments: Sampled big pipe ~55m US of bridge. Riparian buffer wide on right bank, but narrow on left bank b/c of lawn.

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Kiersten Czarnocki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7/0
Date Processed 11/08/2018	Specimens Saved Subsample archived in ABL until Jan 2022	

EI=205