

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name ROCK CREEK	Waterbody ID Code 1750800	Sample ID (YYYYMMDD-CY-FD) 20161010-10-01
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Sampling Location 100m US from bridge at first Riffle	Database Key 133642284
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SWIMS Station ID 10030170	SWIMS Station Name ROCK CREEK AT OWEN AVE AND ROCK CREEK RD
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Latitude 44.770153	Longitude -90.55668	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) BLACK RIVER	Watershed Name CAWLEY AND ROCK CREEKS	County CLARK
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Sample and Site Descriptors

Sample Collector (Last Name, First) Raleigh, Mycal	Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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Sampling Device

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) 5min	Estimated Area Sampled (m²) 4m ²	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 10.6 51.0 F	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input checked="" 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 checked="" type="checkbox"/> Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .2m	Average Stream Width of reach (m) 7m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 50 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 10
 Sand: 10 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 (%) 60%

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Taylor Hasz	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 8-21-17	Specimens Saved Subsample archived in DRL cabinet Nov 2020	

D3 39 E2 52
 C1 27
 A1 34

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappnia angulata</i>	L		7	Aitchcock 1974		
<i>Isoperla signata</i>	L		3	Hilsenhoff 1982		
<i>Paragnetina media</i>	L		1	Hilsenhoff 1995		
<i>Baetis flavistriga</i> species complex	L		2	Kluberanz 2016		
<i>Maccaffertium</i>	L		1	"		
<i>M. mediopunctatum</i>	L	-	5	"		
<i>M. modestum</i>	L		2	"		
<i>M. vicarium</i>	L	-	5	"		
<i>Eurylophella</i>	L		1	"		
<i>Leptophlebia</i>	L		1	"		
<i>Cheumatopsyche</i>	L	xiii	13	Hilsenhoff 1985		
<i>Ceratopsyche bronata</i>	L		4	Schm. Hils 1986		
<i>C. morosa bifida</i> form	L	x	11	"		
<i>Hydroptila</i>	L		1	Hilsenhoff 1985		
<i>Leucofrictia protipes</i>	L		3	"		
<i>Chimarra obscura</i>	L	-	7	Hilsenhoff 1982		
<i>Optiservus</i>	L	0-44	30	Hils. Schm. 1992	imm	N
<i>O. fastidiosus</i> L, 8 A, 5	LA	xiii	13	"		
<i>Stenelmis</i>	L		5	"		N
<i>S. crenata</i>	A	xiiii	14	"		
<i>Atherix variegata</i>	L	-	7	Hilsenhoff 1985		
<i>Simulium jenningsi</i> species group	L		1	Acker et al 2004		
<i>Dicranota</i>	L		4	Hilsenhoff 1985		
<i>Trilebida</i>	A	-	6	Koksa 1991		
<i>Naicidae</i>	A		2	Brin, Cold. 1991		
Spit A3 Chironomidae	L	1-200				
<i>Corynoneura</i>	P		1	Ferr. et al. 2008		
<i>Conchapelona</i>	L		1	Cran, Epler 2013		
<i>Eukiefferiella claripennis</i> group	L		1	Acker + 3 2013		
<i>Parametrocnemus</i>	L		2	"		
<i>Cladotanytarsus</i>	L		1	Epler et al 2013		
<i>Microtendipes pedellus</i> group	L		1	"		
<i>Polypedilum</i> (<i>Dresipeditum</i>)	L		2	"		N
<i>P.(D.) flavum</i>	L		1	Boldan 2012		
<i>Rhotanytarsus</i>	L		2	Epler et al 2013		