

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
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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 ²) 1.5	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C) 24°F	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color ☒ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☒ 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): <u>50</u>	Rubble (tennisball to basketball): <u>50</u>	Gravel (ladybug to tennisball): _____
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Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
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Embeddedness of Substrate at Sample Site (%) <u>0</u>	Canopy Cover at Sample Site (%) <u>30</u>
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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	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:			Sources of Stream Impacts		
			Bank Erosion	N	U
Physical			Point Source - Specify:	N	U
Bank Erosion	N	U	Pasturing of Livestock	N	U
Channelization: - Upstream	N	U	Runoff: - Barnyard	N	U
- Downstream	N	U	- Construction	N	U
Hydraulic Scour / Channel Incision	N	U	- Cropland	N	PL
Impoundment: - Upstream	N	U	- Urban	N	U
- Downstream	N	U	Septic Systems	U	U
Low Flow	N	U	Tile Drainage - Organic Soils	U	U
Sedimentation	N	U	- Mineral Soils	U	U
Sludge	N	U	Springs	U	U
Thermal	U	U	Tributary(s)	U	U
Turbidity	PL	U	Wetland	U	U
Other - Specify:			Other - Specify:		

Comments: Sampled big riffle ~55m US of bridge. Riffle is 10-15m wide on right bank, but narrow on left bank b/c of lawn.

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Kiersten Czarnecki	Taxonomist Dimick, Jeffery	Estimated Percent of Sample Sorted 7%
Date Processed 11/08/2018	Specimens Saved Subsample archived in ABL until Jan 2022	

E1=205

Wisconsin Department of Natural Resources

ABL SampleNum: 20171116-10-02

Taxonomist: Dimick, Jeffrey

 Waterbody: Rock Creek
 SWIMS Database Key: 151159328

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Albocapnia</i>	L	imm	10	Hils 1995		
<i>Paracapnia angulata</i>	L	x-imm II	22	Hatch 1974		
<i>Isoneria signata</i>	L	I	1	Hils 1982		
<i>Aeolipenna</i>	L	II	2	Kub 2016	dam	N
<i>A. pygmaea</i>	L	x	10	"		
<i>Leucocenta</i>	L	II	2	"		
<i>Maccaffertium medipunctatum</i>	L	II	2	"		
<i>M. modestum</i>	L	III	3	"		
<i>M. vicarium</i>	L	I	1	"		
<i>Teloganopsis deficiens</i>	L	I	1	"		
<i>Leptophlebiidae</i>	L	I	1	"	dam	N
<i>Leptophlebia cupida</i>	L	I	1	"		
<i>Isonychia</i>	L	I	1	"	imm	
<i>Cheumatopsyche</i>	L	801	61	Hils 1995		
<i>Ceratomyche bronta</i>	L	II	2	Sam Hils RBB		
<i>C. morosa bifida form</i>	L	-	5	"		
<i>Chimarra obscura</i>	L	II	2	Hils 1982		
<i>Psychomyia flavida</i>	L	I	1	Hils 1995		
<i>Otoseius</i>	L	I	1	Hils Schm 1992	imm	N
<i>O. fastidiosus</i>	L	-	5	"		
<i>Stenelmis</i>	L	II	2	"		
<i>Atherix variegata</i>	L	I	1	Hils 1995		
<i>Antocha</i>	L	II	2	"		
<i>Dironia</i>	L	I	1	"		
<i>Dugesiiidae</i>	A	I	1	Thorp Bog 2016		
<i>Split A3 Chironomidae</i>	L	x-imm + III				
<i>Conchapelonia</i> 08270200	L	-	5	Cran Epi 2013		
<i>Meropelopia</i>	L	I	1	"		
<i>Thienemannimyia</i> group	L	I	1	"	imm	N
<i>Orthocladinae</i> 08300000	L	I	1	Cranston 2013	mt+indet	N
<i>Brillia</i>	L	I	1	Anders 2013	imm	
<i>Diplociadius</i>	L	II	2	"		
<i>Eukiefferiella gracil</i> group	L	I	1	"		
<i>Parametriocnemus</i>	L	0 II	22	"		
<i>Tvetenia bavarica</i> group	L	-III	9	Bode 1983		
<i>Orthocladus</i> (<i>Orthocladus</i>)	L	I	1	Anders 2013		

Taxonomist: Dimick, Jeffrey

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[illegible]