

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name ROCK CREEK		Waterbody ID Code 1750800	Sample ID (YYYYMMDD-CY-FD) 20181029-10-07
Sampling Location US bridge ~60m; first riffle		Database Key 168763202	
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) Kathryn Mycalp		Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM	
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) 4	Estimated Area Sampled (m ²) 5	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling			
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____			
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)
Conductivity (umhos/cm)		Transparency (cm)	
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)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4		Average Stream Width of reach (m) 10m
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 (%) 10		Canopy Cover at Sample Site (%) 50	

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	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	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	PL	U
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:	U	U
Other - Specify:					

Comments Stream elevated about .3m. Fast and difficult to sample.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kiersten Czarnecki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 40%
Date Processed 10/31/2019	Specimens Saved Subsample archived in ABZ until Jan 2023	

D3:12 } 55
E3:27 }
E2:16 } 91
B2:17 }
A3:21 } 108
129

Wisconsin Department of Natural Resources

ABL SampleNum: 20181029-10-07

Taxonomist: Dimick, Jeffrey

Waterbody: Rock Creek

SWIMS Database Key: 168763202

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna	L	i	1	Kleb 2016	dam	N
A. pygmaea	L	0-III	29	"		
Caenis	L	II	2	"	imm	N
C. latipennis	L	I	1	"		
Heptageniidae	L	II	2	"	imm	N
Leucocrota	L	II	2	"		
Maccallertium medipunctatum	L	III	3	"		
M. vicarium	L	II	2	"		
Stenacron	L	II	2	"	imm	N
S. interperatatum	L	I	1	"		
Leptophlebia	L	I	5	"	imm	
Allocaenis	L	x-II	12	Hils 1995		
Isoperla signata	L	III	3	Hils 1982		
Taeniopteryx burksi	L	II	2	Full Stew 1980		
Ceratopsyche broncia	L	I	1	Hils Schim 1986	Schm Hils 1986	
Cheumatopsyche	L	x-I	16	Hils 1995		
Chimarra obscura	L	-II	7	Hils 1982		
Optroservus	L	I	1	Hils Schim 1992	imm	N
Stenelmis	L	II	2	"		
Atherix variegata	L	I	1	Hils 1995		
Tipula	L	II	2	"		
Mermithidae	A	I	1	Thorp Bog 2016	imm	
Dugesitidae	A	I	1	"		
Cyclopiidae	A	II	2	"		
Naidinae	A	x-III	18	Brin Geld 1991		
Tubificoninae (without hairs)	A	I	1	"	post flag JSD	
Conchairelia obzototio	L	II	2	Cran Epl 2013		
Diplocladius	L	II	2	And + 3 2013		
Parametriocnemus	L	I	5	"		
Pseudocentropodius	L	I	1	"		
Thienemannella	L	I	1	"	dam	
Cladotanytarsus	L	III	3	Epl et al 2013		
Cryptochironomus	L	III	3	"		
Microsestera	L	I	1	"		
Microtendipes pedellus group	L	I	1	"		
Paratanytarsus species A	L	I	1	Hils unpubl		
Paratendipes	L	II	2	Epl et al 2013		

Taxonomist: Dimick, Jeffrey

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[illegible]