

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name GRAHAM CREEK		Waterbody ID Code 2124700	Sample ID (YYYYMMDD-CY-FD) 20191029-18-01
Sampling Location US bridge 5m			Database Key 211591030
SWIMS Station ID 10009825		SWIMS Station Name GRAHAM CREEK - STATION 1 SPRUCE RD	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name LOWES AND ROCK CREEKS	County EAU CLAIRE

Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL RALEIGH, Alex Sella	Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 1min	Estimated Area Sampled (m²) 2m ²	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) 4.4°C	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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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) 0.1	Average Stream Width of reach (m) 4m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 5 **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	Water-shed	Factors that may be influencing Water Resource Integrity		Local	Water-shed
Biological				Chemical			
Algae: - Diatoms / Periphyton		N	U	Chlorine		U	U
- Filamentous Algae		N	U	Dissolved Oxygen		N	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	N	- Construction		N	U
- Downstream		N	N	- Cropland		PL	U
Hydraulic Scour / Channel Incision		N	U	- Urban		N	U
Impoundment: - Upstream		N	N	Septic Systems		U	U
- Downstream		N	N	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 Coash, Natalie	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 25%
Date Processed 10/22/20	Specimens Saved Subsample archived in AB2 until Dec 2023	

A2-4U C2-32
 E3-23 D3-54

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna maddunnaughii</i>	L	I	1	Klob 2016		
<i>Boetes hamneicolor</i>	L	III	8	"		
<i>Ephemera</i>	L	III	50	Merrillum B 2019	imm	N
<i>E. excavata</i>	L	III	26	Klob 2016		
<i>Maccaffertium vicarium</i>	L	III	8	"		
<i>Paraleptophlebia</i>	L	III	9	"	imm	N
<i>P. mollis</i>	L	I	6	"		
<i>Amphinemura</i>	L	I	1	Merrillum B 2019	imm	
<i>Isonychia</i>	L	III	4	"	imm	N
<i>I. signata</i>	L	I	1	Hils 1982		
<i>I. transmarina</i>	L	I	5	"		
<i>Taeniopteryx</i>	L	I	1	Merrillum B 2019	imm	
<i>Brachycentrus occidentalis</i>	L	I	1	Hils 1985		
<i>Ceratopsyche</i>	L	I	1	Hils 1985	imm	N
<i>C. slossonae</i>	L	I	6	Schm Hils 1986		
<i>C. sparna</i>	L	I	1	"		
<i>Chematopsyche</i>	L	II	2	Merrillum B 2019		
<i>Hydropsyche</i>	L	II	2	Hils 1985	imm	
<i>Neophylax</i>	L	II	2	Merrillum B 2019	imm	
<i>Opsosevius</i>	L	II	7	"	imm	N
<i>P.-fastiditus</i>	L	A	4	Hils Schm 1992		
<i>Wemerodromia</i>	L	I	1	Merrillum B 2019		
<i>Dicranota</i>	L	I	1	"		
<i>Tipula</i>	L	III	3	"		
<i>Simulium</i>	P	III	1	"		
<i>Enchytraeidae</i>	A	I	1	Thorp Bog 2016		
no Chironomidae larvae in grid subsample						