

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name BEAVER CREEK	Waterbody ID Code 2129400	Sample ID (YYYYMMDD-CY-FD) 20191029-18-02
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Sampling Location DS bridge ~20m	Database Key 211591022
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SWIMS Station ID 183079	SWIMS Station Name BEAVER CREEK AT 140TH AVE BDGE
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER CHIPPEWA	Watershed Name LOWER EAU CLAIRE RIVER	County EAU CLAIRE
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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) 1.5	Estimated Area Sampled (m²) 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) 5	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) 0.25	Average Stream Width of reach (m) 5m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 0

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	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	U	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	PH	PH	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	N	- Construction	N	U
- Downstream	N	N	- Cropland	N	U
Hydraulic Scour / Channel Incision	PH	U	- Urban	N	U
Impoundment: - Upstream	N	N	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	N	N	- Mineral Soils	U	U
Sedimentation	PL	U	Springs	U	U
Sludge	U	U	Tributary(s)	U	U
Thermal	U	U	Wetland	U	U
Turbidity	U	U	Other - Specify:		
Other - Specify:					

Comments
 Rain event from ~1.5 weeks ago caused new shifting sand deposits

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter NOOS, ENC	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 60%
Date Processed 10-23-2020	Specimens Saved Subsample archived in ABL until Dec 2023	

01 A1 C3 E3 A3 B1 E2 B2 E1 G4 C1 G1 E1 R1 C1 G3
 21 9 17 13 7 18 11 6 8 6 7 6 = 129

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	III	4	Klub 2016		
<i>B. tricaudatus</i>	L	-I	6	"		
<i>B. flavistriga</i> species complex	L	-I	6	"		
<i>Ephemerella</i>	L	-I	6	MerlummB 2019	imm	N
<i>E. excrucians</i>	L	II	10	Klub 2016		
<i>Maccaffertium vicarium</i>	L	I	1	"		
<i>Paraleptophlebia</i>	L	III	5	"	can/imm	N
<i>P. mollis</i>	L	III	3	"		
<i>Alloparia</i>	L	I	1	MerlummB 2019		
<i>Paracania angulata</i>	L	I	1	Witch 1974		
Nemouridae	L	I	1	MerlummB 2019	imm	
<i>Isoneria</i>	L	I	1	"	imm	N
<i>I. transmarina</i>	L	III	4	Hils 1982		
<i>Pteronarcys dorsata</i>	L	I	1	Hard Mick 1982		
<i>Taeniopteryx burksi</i>	L	-I	6	Full Stew 1980		
<i>Brachycentrus americanus</i>	L	I	1	Hils 1985		
<i>B. occidentalis</i>	L	I	1	"		
<i>Cesobryche</i>	L	I	1	Hils 1985	imm	N
<i>C. sparna</i>	L	-II	7	Schm Hils 1986		
<i>Hydropsyche</i>	L	I	1	Hils 1985	imm	
<i>Lepidostoma</i>	L	I	1	MerlummB 2019		
<i>Lype diversa</i>	L	II	2	Hils 1985		
<i>Neophylax</i>	L	I	1	MerlummB 2019	imm	
<i>Optiosecurus</i>	L	III	4	"	imm	
<i>Atherix variegata</i>	L	I	1	Hils 1985		
<i>Idemocranra</i>	L	I	1	MerlummB 2019		
<i>Neoplasta</i>	L	I	1	"		
<i>Prosimulium</i>	L	II	2	"	imm	
<i>Simulium tuberosum</i> species complex	L	III	3	Adl et al 2004	exto/imm	
<i>Hesperoconopa colichophallus</i>	L	III	3	Hils 1985		
<i>Tritula</i>	L	III	3	MerlummB 2019		
<i>Cacidoidea</i>	A	I	1	Thorp Rag 2016	imm	
Spererantidae	A	I	1	Peck et al 1990		
Naidmae	A	-	5	Kath Brn 1988		
split A2 Chironomidae	L	exto/III				
<i>Scirtia</i>	L	II	2	Adl et al 2013	imm	
<i>Parachaeofocladius</i>	L	I	1	"		

