

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

Station Summary						
Waterbody Name BEAVER CREEK			Waterbody ID Code 2129400		Sample ID (YYYYMMDD-CY-FD) 20200929-18-04	
Sampling Location DS bridge ~70m					Database Key 249835522	
SWIMS Station ID 183079		SWIMS Station Name BEAVER CREEK AT 140TH AVE BDGE				
Latitude		Longitude		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA			Watershed Name LOWER EAU CLAIRE RIVER		County EAU CLAIRE	
Sample and Site Descriptors						
Sample Collector (Last Name, First) MYCAL RALEIGH				Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman		
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler		<input type="checkbox"/> Other: _____
Habitat Sampled						
<input type="checkbox"/> Riffle		<input checked="" type="checkbox"/> Run		<input type="checkbox"/> Pool		
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat		
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland		
Total Sampling Time (min) 1	Estimated Area Sampled (m²) 2		Number of Samples in Composite 1		Replicate No. 1 of 1	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: <u>Long Term Trend</u>		
Water Temp. (C) 12.8	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)		Transparency (cm)
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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) .2		Average Stream Width of reach (m) 4.5		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 50		Gravel (ladybug to tennisball): 20
Sand: 30		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 40				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	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	U
Physical			Point Source - Specify:		
Bank Erosion	PH	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	U
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	PH	U	- Mineral Soils	U	U
Sludge	N	U	Springs	U	U
Thermal	N	U	Tributary(s)	U	U
Turbidity	N	U	Wetland	U	U
Other - Specify:			Other - Specify:		

Comments Site impacted by beavers. Sampled between beaver dams in shallow run

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Raatz, Trevor	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7.8%
Date Processed 12/29/2021	Specimens Saved Subsample archived in DRL until Mar 2025	

12:50
2:30
1.7

B3Q4:26
 A1Q2:27:53
 B3Q1:45:98
 A1Q1:15:113
 B3Q3:32:145
 A1Q3:
 B3Q2:
 A1Q4:

145

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	MCB 2019	imm	N
B. brunneator	L	III	9	Klub 2016		
B. flavistriga species complex	L	XII	17	"		
Ephemeroidea	L	I	1	MCB 2019	imm	N
Ephemerella	L	XIII	14	"	imm	N
E. invaria	L	III	3	Klub 2016		
E. schwarza	L	III	3	"		
Maccaffertium vicarium	L	II	2	"		
Neoleptophlebia	L	XIII	13	MCB 2019	imm/dam	N
N. mollis	L	II	2	Klub 2016		
Paracappa angulata	L	II	2	Hatch 1974		
Isoperla	L	IV	2	MCB 2019	imm	N
I. transmarina	L	III	3	Hils 1982		
Pteronarcys pretetii	L	I	1	Myersford 2017		
Taeniopteryx	L	II	2	MCB 2019	imm	
Chloroperlidae	L	I	1	"	imm	
Brachycentrus americanus	L	I	5	Hils 1985		
B. occidentalis	L	II	2	"		
Ceratopsyche spum.	L	X-11	17	Schum Hils 1986		
Nephilax	L	II	7	MCB 2019	imm	
Antrosenus	L	II	7	"	imm	N
O. fastidius 2,3 A.1	L,A	III	4	Hils Schum 1992		
Atherix variegata	L	I	5	Hils 1985		
Cricotopus (Cricotopus) bicinctus group	P	I	1	Coff et al 1986		
Nemerodromia	L	III	4	MCB 2019		
Phantolabis lacustris	L	X	10	Bouché 2019		
Naididae	A	I	1	Rath Bann 1998		
Split As Chironomidae	L	XIII-250				
Dixaesa	L	I	1	And et al 2013		
Eukiefferiella claripennis group	L	I	1	"		
Elatantarsus	L	I	1	"		
Stibicladus	L	I	1	"		
Paratantarsus longistilus	L	I	1	"		
P. species A	L	I	5	Hils unpubl		
Polypedilum (Polypedilum) lactuum group	L	I	1	Bolton 2012		
P. (Unispedilum) aviceps	L	II	3	"		

