

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name BEAVER CREEK			Waterbody ID Code 1677500		Sample ID (YYYYMMDD-CY-FD) 20191015-62-02	
Sampling Location 5m Downstream of Crystal Valley Rd Bridge					Database Key 210267584	
SWIMS Station ID 10020475			SWIMS Station Name BEAVER CREEK-CRYSTAL VALLEY (DAULTON RD) BRIDGE CROSSING			
Latitude 44.11333251		Longitude -91.33471941		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BLACK RIVER			Watershed Name BEAVER CREEK AND LAKE MARINUKA		County TREMPEALEAU	
Sample and Site Descriptors						
Sample Collector (Last Name, First) TAYLOR M HASZ, ANDREW J SCHNEYER				Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2019		
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) 2		Estimated Area Sampled (m ²) 2		Number of Samples in Composite 1		Replicate No. 1 of 1
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: NCSR						
Water Temp. (C) 7.64	D.O. (mg/l) 13.2	D.O. (% sat.) 110.3	pH (su) 7.30	Conductivity (umhos/cm) 350		Transparency (cm)
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (Slightly) <input type="checkbox"/> Stained				<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) 2m		Average Stream Width of reach (m) 10m		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): _____
Sand: 20		Clay: _____		Silt/Muck: 10		Overhanging Vegetation: 40
Aquatic Macrophytes: 10		Leaf Snags: 20		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 10				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			Factors that may be influencing Water Resource Integrity		
Local	Watershed		Local	Watershed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	U	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	U	N
Macrophytes	PL	PL	- Organic (PCBs, pesticides...)	U	N
Slimes	N	N	Other - Specify:	N	N
Other - Specify:	N	N	Sources of Stream Impacts		
			Bank Erosion	PL	PL
Physical			Point Source - Specify:	N	N
Bank Erosion	PL	PL	Pasturing of Livestock	N	N
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	N
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	PL	N	- Cropland	N	N
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	N	N
Low Flow	N	N	Tile Drainage - Organic Soils	U	N
Sedimentation	PH	PH	- Mineral Soils	U	N
Sludge	N	N	Springs	U	N
Thermal	N	N	Tributary(s)	U	N
Turbidity	PH	PH	Wetland	PH	PH
Other - Specify:	N	N	Other - Specify:		

Comments
 Very high flow. Could only sample stream margin. Lots of Reed canary & Elodia

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Savanna Erickson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 91.67% 16.7
Date Processed 9-16-20	Specimens Saved Subsample archived on ABC until NOV 2023	

D1Q:4 9	A1Q:1 16	D1Q:2 15	A1Q:3 8	D1Q:1 16	A1Q:2+4 +D1Q:3 37	C3Q:3 19	C3Q:4 12
9	25	40	48	64	101	120	132

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	-	5	Klob 2016		
<i>callibaetis</i>	L	III	4	MerrCommB 2019		
<i>caenis</i>	L	XIII	14	"	imm	N
<i>C. diminuta</i>	L	X	10	Klob 2016		
<i>Leptophlebia</i>	L	-III	9	MerrCommB 2019		
<i>Coenagrionidae</i>	L	-	5	"	imm	N
<i>Erallagma</i>	L	"	2	"		
<i>Sigara alternata</i>	A	I	1	Hils 1984a		
<i>Neopha strigata</i>	A	-III	9	"		
<i>Belostomatidae</i>	A	I	1	"		
<i>Aycrothys sayi</i>	A	I	1	Hils 1992		
<i>Itapylus immaculicollis</i>	A	I	1	Hils Berg 1978		
<i>Peltodytes edentulus</i>	A	III	4	"		
<i>Ephyridae</i>	P	-I	6	MerrCommB 2019		
<i>Gammarus pseudolimnoides</i>	A	X	10	Hils 1972		
<i>Hyaella azteca</i>	A	XIII	14	Sovac et al 2015		
<i>Caecidotea</i>	A	I	1	Thorp Reg 2016	imm	
<i>Cyclopidae</i>	A	-	5	"		
<i>Daphniidae</i>	A	III	3	"		
<i>Hydridae</i>	A	I	1	"		
<i>Gyrodactylus circumstriatus</i>	A	III	3	"		
<i>Helisoma anceps</i>	A	III	3	Burch 1989		
<i>Nais</i>	A	III	4	Kath Brin 1998		
<i>Stylaria lacustris</i>	A	"	2	"		
<i>Tubificinae (without hairs)</i>	A	"	2	"		
<i>Planorbella ornata</i>	A	I	1	Thorp Reg 2016		
<i>Split to Chironomidae</i>	L	III				
<i>Brillia</i>	L	-II	7	And et al 2013		
<i>B. flavifrons</i>	L	"	2	Epler 2001		
<i>Corynoneura</i>	L	XI	11	And et al 2013		
<i>Stenochironomus</i>	L	I	1	"		
<i>Zavrelomyia</i>	L	I	1	"		
<i>Procladius olivacea</i>	L	I	1	"		
<i>Procladius</i>	L	I	1	"	imm	
<i>Thienemanniella</i>	L	I	1	"	dam	N
<i>T. xena</i>	L	I	1	Bolton 2012		
<i>Dicrotendipes</i>	L	XI	11	And et al 2013		

