

Sample m 2 jars

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BEAVER CREEK		Waterbody ID Code 2126800	Sample ID (YYYYMMDD-CY-FD) 2017109-18-01
Sampling Location US bridge ~5m			Database Key 150694623
SWIMS Station ID 10031433		SWIMS Station Name BEAVER CREEK AT MARSHALL RD	
Latitude 44.65774	Longitude -91.36969	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name OTTER CREEK	County EAU CLAIRE

Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN Raleigh, Myca	Project Name WEST DISTRICT FOLLOW UP MONITORING FOR IMPAIRED
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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	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 1 2 Jars
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Follow Up

Water Temp. (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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) .35	Average Stream Width of reach (m) 1m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 100
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) N/A **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	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	U	U
			Point Source - Specify:	U	U
Physical			Pasturing of Livestock	PL	U
Bank Erosion	N	U	Runoff: - Barnyard	PL	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	PH	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	U	U	Wetland	U	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments OK buffer of reed canary grass. Substrate all sand in main channel and silt in the margins. Sampled overhanging veg only. 2 Jars. Follow up

Special Instructions for Laboratory

Sample in 2 jars

For Lab Use Only

Sample Sorter <i>Grant Gaylisale</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 33%
Date Processed 2/2/18	Specimens Saved Subsample archived in ABC until Apr 2021	

A3 29
 A2 19
 E1 15
 E3 41
 D2 62

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Amphinemura</i>	L	I	1	Hilsenhoff 1985		
<i>Isoneria</i>	L	II	2	"	imm	N
<i>I. transmarina</i>	L	I	1	Hilsenhoff 1982		
<i>Taeniopteryx</i>	L	XI	11	Hilsenhoff 1985	imm	N
<i>T. nivalis</i>	L	-	5	Fell, Stew. 1980		
<i>Baetis tricaudatus</i>	L	-II	7	Kluberhanz 2016		
<i>Leptophlebia</i>	L	II	2	"	imm	
<i>Brachycentrus occidentalis</i>	L	III	33	Hilsenhoff 1985		
<i>Limnephilus</i>	L	-I	6	Hilsenhoff 1985		
<i>Listronotus</i>	A	I	1	"		
<i>Limnosedmia</i>	L	I	1	Cont. Mem. 2008		
<i>Simulium tuberosum</i> Species Group	L	II	2	Adler et al 2004		
Limnophila	L	I	1	Hilsenhoff 1985		
<i>Gammarus pseudolimnaeus</i>	A	XIII	14	Heisinger 1972		
<i>Caecidotea racovitzai</i> <i>racovitzai</i>	A	-II	7	Williams 1972		
<i>Enchytraeidae</i>	A	II	2	Brink, Geld 1991		
<i>Megadrili</i>	A	II	2	"		
<i>Physa</i>	A	I	1	Rogers 2016		
Split A3 Chironomidae	L	III-IV				
<i>Conchapelopia</i>	L	II	2	Crain, Epler 2013		
<i>Meropelopia</i>	L	-II	7	"		
<i>Zavelimyia</i>	L	II	2	"		
<i>Thienemannimyia</i> group	L	III	4	"		
<i>Brillia</i>	L	XIII	14	Ander + S 2013		
<i>B. flavifrons</i>	L	X-	15	Epler 2001		
<i>Procladius olivacea</i>	L	I	1	Sethy, Ander. 2013a		
<i>Limnophyes</i>	L	-	5	Ander + S 2013		
<i>Parameletia</i>	L	X-I	16	"		
<i>Thienemannella</i>	L	II	2	"	mt indet/imm	
<i>Orthocladus (Symptocladus) lignicola</i>	L	I	1			
<i>Paratanytarsus longistilus</i>	L	II	2	Epler et al 2013		
<i>Phaenosectra flavipes</i>	L	I	1	Bolton 2012		
<i>Polypedilum (Polypedilum) illinoense</i> group	L	I	1	"		