

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BIG BEAVER CREEK @64	Waterbody ID Code 2076200	Sample ID (YYYYMMDD-CY-FD) 20160929-17-11
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Sampling Location Down riffle ~50m DS in pasture area (1st decent riffle DS)	Database Key 133642028
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SWIMS Station ID 10009283	SWIMS Station Name A-4
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Latitude 45.134262	Longitude -92.02118	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 HAY RIVER	County DUNN
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Sample and Site Descriptors

Sample Collector (Last Name, First) Raleigh, Mycal	Project Name BIG BEAVER CREEK TWA [SECTION 319] 2016
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Sampling Device

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) 3 min	Estimated Area Sampled (m²) 3 m 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)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input checked="" 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) .4m	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): 20% Gravel (ladybug to tennisball): 50%
 Sand: 30% Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 30% 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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
Biological				Chemical			
Algae: - Diatoms / Periphyton		N		Chlorine			
- Filamentous Algae		N		Dissolved Oxygen			
- Planktonic Algae		N		Nutrients (P, N...)			
Iron Bacteria		N		Toxics: - Inorganic (Metals)			
Macrophytes		N		- Organic (PCBs, pesticides...)			
Slimes		N		Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PH	U
Physical				Point Source - Specify:		N	
Bank Erosion		PH	U	Pasturing of Livestock		PH	PH
Channelization: - Upstream		N		Runoff: - Barnyard		N	
- Downstream		N		- Construction		N	N
Hydraulic Scour / Channel Incision		N		- Cropland		N	
Impoundment: - Upstream		N		- Urban		N	N
- Downstream		N		Septic Systems		N	
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge		N		Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments
~~sample~~ specimens in poor condition, soft & broken.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Mekayla Gronholm	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 67%
Date Processed 1/17/17	Specimens Saved Subsample archived in ABL until Apr 2020	

C1: 10
 A2: 13
 C2: 17

 A3: 9
 E1: 18
 C3: 11

 B1: 16
 B3: 14
 D2: 10
 D1: 12
 53

 129