

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

Station Summary

Waterbody Name OTTER CREEK		Waterbody ID Code 2068700	Sample ID (YYYYMMDD-CY-FD) 20161101-17-01
Sampling Location 3m US of west culvert			Database Key 135748775
SWIMS Station ID 10009401		SWIMS Station Name OTTER CREEK - A6	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name HAY RIVER	County DUNN

Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL C RALEIGH, JACOB D RING	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 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) 1 min	Estimated Area Sampled (m²) 1 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: Stratified Random

Water Temp. (°F) 48°F	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) .4 m	Average Stream Width of reach (m) 2.5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 80% Rubble (tennisball to basketball): 20% Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) _____ 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		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		N	
				Point Source - Specify:		N	
				Pasturing of Livestock		N	U
Bank Erosion		N		Runoff: - Barnyard		N	U
Channelization: - Upstream		N		- Construction		N	U
- Downstream		N		- Cropland		N	U
Hydraulic Scour / Channel Incision		N		- Urban		N	N
Impoundment: - Upstream		N		Septic Systems		N	U
- Downstream		N		Tile Drainage - Organic Soils		N	U
Low Flow		N	N	- Mineral Soils		N	U
Sedimentation		N	U	Springs		U	U
Sludge		N		Tributary(s)		U	U
Thermal		U	U	Wetland		PL	U
Turbidity		U	U	Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Andrew Kohlmann	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4/17/17	Specimens Saved subsample archived in ABC into Oct 2020	

D3-54
 A3-127

