

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name EAGLE CREEK			Waterbody ID Code 1808400		Sample ID (YYYYMMDD-CY-FD) 20171011-06-01
Sampling Location 20m US of bridge - 1st riffle				Database Key 149644348	
SWIMS Station ID 10010659		SWIMS Station Name EAGLE CREEK AT SCHAFFNER VALLEY ROAD			
Latitude 44.2336	Longitude -91.68068	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BUFFALO - TREMPPEALEAU		Watershed Name WAUMANDEE CREEK		County BUFFALO	
Sample and Site Descriptors					
Sample Collector (Last Name, First) MYCAL RALEIGH			Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2017		
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 checked="" type="checkbox"/> Riffle		<input 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 min	Estimated Area Sampled (m²) 1	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: NCSR	
Water Temp. (C) 10.58	D.O. (mg/l) 11.64	D.O. (%sat.) 104.7	pH (su) 7.94	Conductivity (umhos/cm) 616	Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <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) 0.2		Average Stream Width of reach (m) 3.5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 10%	Rubble (tennisball to basketball): 80%	Gravel (ladybug to tennisball): 5%	
Sand: 5%		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	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	Water-shed		Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	U	Chlorine	N	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	PL	PH
Physical			Point Source - Specify:	N	U
Bank Erosion	PL	PH	Pasturing of Livestock	PL	PH
Channelization: - Upstream	N	U	Runoff: - Barnyard	N	PL
- Downstream	N	U	- Construction	N	U
Hydraulic Scour / Channel Incision	PL	U	- Cropland	PL	PH
Impoundment: - Upstream	N	U	- Urban	N	N
- Downstream	N	U	Septic Systems	U	U
Low Flow	N	U	Tile Drainage - Organic Soils	U	U
Sedimentation	PL	PH	- 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 Agriculture, pastures, & barnyards present & close to stream within watershed.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Kayla Wilcox	Taxonomist	Dimick, Jeffray	Estimated Percent of Sample Sorted	70/10
Date Processed	08/14/18	Specimens Saved	Subsample archived in ABL until Dec 2021		

CI = 150