

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name SOPER CREEK		Waterbody ID Code 1693400	Sample ID (YYYYMMDD-CY-FD) 20171115-4203
Sampling Location ~ 20m US of Hwy 27 bridge			Database Key 151079472
SWIMS Station ID 10020460		SWIMS Station Name SOPER CREEK ST. 3 HWY 27 CROSSING	
Latitude 44.08218	Longitude -90.842384	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BLACK RIVER		Watershed Name BIG AND DOUGLAS CREEKS	County MONROE

Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2017
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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	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: Natural Community Stratified Random

Water Temp. (C) 7.5	D.O. (mg/l) 12.18	D.O. (% sat.) 101.6	pH (su) 7.63	Conductivity (umhos/cm) 144	Transparency (cm) 120+
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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) 0.4	Average Stream Width of reach (m) 8.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 40
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 40 Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 10 Canopy Cover at Sample Site (%) 40

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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	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	PL	U
					Point Source - Specify:	U	U
Physical					Pasturing of Livestock	N	U
		Bank Erosion	PL	U	Runoff: - Barnyard	N	U
		Channelization: - Upstream	N	U	- Construction	N	U
		- Downstream	N	U	- Cropland	N	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	PL	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 Sampled in 20m US. No riffle areas, but sampled gravel, coarse woody debris, and sand. Riparian area wide & good (woody). downed trees

Special Instructions for Laboratory

For Lab Use Only					
Sample Sorter	Kayla Wilcox	Taxonomist	Dimick, Jeffrey	Estimated Percent of Sample Sorted	20%
Date Processed	8/16/18	Specimens Saved	Subsample archived in ABL until Dec 2021		

A2=37 D2=61
 A1=49 147