

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED, UNNAMED	Waterbody ID Code 5585177, 1716900	Sample ID (YYYYMMDD-CY-FD) 20161019-27-04
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Sampling Location 20m US of culvert (section right along road w/ rip rap)	Database Key 134803481
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SWIMS Station ID 10044932	SWIMS Station Name UNNAMED CREEK (1716900) AT E STAFFON ROAD
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Latitude 44.3497185	Longitude -90.6357508	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) BLACK RIVER	Watershed Name MORRISON CREEK	County JACKSON
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Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	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) 3	Estimated Area Sampled (m²) 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) 13.85	D.O. (mg/l) 8.56	D.O. (% sat.) 82.9	pH (su) 5.3	Conductivity (umhos/cm) 18 uS/cm	Transparency (cm) 120+
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Water Color ☐ Clear ☐ Turbid ☒ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ 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) 1.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 60%	Gravel (ladybug to tennisball): _____
Sand: 10%	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: 30%
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____			

Embeddedness of Substrate at Sample Site (%) 10%	Canopy Cover at Sample Site (%) 0%
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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	Local	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N		Chlorine	U	
- Filamentous Algae	N		Dissolved Oxygen	N	
- Planktonic Algae	N		Nutrients (P, N...)	U	
Iron Bacteria	U		Toxics: - Inorganic (Metals)	U	
Macrophytes	N		- Organic (PCBs, pesticides...)	U	
Slimes	N		Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	
			Point Source - Specify:	N	
Physical			Pasturing of Livestock	N	
Bank Erosion	N		Runoff: - Barnyard	N	
Channelization: - Upstream	N		- Construction	N	
- Downstream	N		- Cropland	N	
Hydraulic Scour / Channel Incision	N		- Urban	N	
Impoundment: - Upstream	N		Septic Systems	N	
- Downstream	N		Tile Drainage - Organic Soils	U	
Low Flow	N		- Mineral Soils	U	
Sedimentation	N		Springs	N	
Sludge	N		Tributary(s)	U	
Thermal	N		Wetland <i>very stained water surrounded by wetland</i>	PH	
Turbidity	N		Other - Specify:		
Other - Specify:					

Comments: Sampled ~ 20m US of culvert along road with rip rapped bank. Stream is fairly deep & is stained. Not great substrate to sample besides rip rap rubble and overhanging vegetation.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Macayla Greider</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>04-13</i>	Specimens Saved <i>Subsample archived in ABL until Oct 20 20</i>	

E1 30 C243 D14

E2 26 B245 A2

4 Grids-154

30+36+45=111 (4 hrs)

[illegible]