

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name INDIAN CREEK		Waterbody ID Code 2657800	Sample ID (YYYYMMDD-CY-FD) 20161011-48-01
Sampling Location 75m US 357th Ave.			Database Key 134667081
SWIMS Station ID 10015644		SWIMS Station Name INDIAN CREEK AT 357TH AVENUE	
Latitude 45.72219	Longitude -92.19855	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum: Used if using GPS WGS84 or NAD83
Basin (WMU) ST. CROIX		Watershed Name NORTH FORK CLAM RIVER	County POLK

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG ROESLER	Project Name NORTH 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) 2	Estimated Area Sampled (m²) 25	Number of Samples in Composite 4	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) 12.2	D.O. (mg/l) 8.1	D.O. (% sat.)	pH (su) 7.7	Conductivity (umhos/cm) 248	Transparency (cm) 7180
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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 0.7	circle units m/s or (f/s)	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 50
 Sand: 50 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 60

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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Candice Olson	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 11/29/16	Specimens Saved Subsample archived in ABC until Sept 2020	

D2: 33 D1: 60
 B3: 52 = 145

