

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <i>Logemanns Creek</i>		Waterbody ID Code <i>310900</i>	Sample ID (YYYYMMDD-CY-FD) <i>20160926-59-01</i>
Sampling Location			Database Key 133649818
SWIMS Station ID 10047137		SWIMS Station Name LOGEMANNS CREEK 170M DS LEOPOLIS RD	
Latitude 44.7672678	Longitude -88.9236193	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU)		Watershed Name	County

Sample and Site Descriptors	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2016

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) <i>5</i>	Estimated Area Sampled (m ²) <i>6</i>	Number of Samples in Composite <i>1</i>	Replicate No. <i>1</i> of <i>1</i>
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: *NC*

Water Temp. (C) <i>14.59</i>	D.O. (mg/l) <i>6.7</i>	D.O. (% sat.) <i>65.9</i>	pH (su) <i>7.17</i>	Conductivity (umhos/cm) <i>265</i>	Transparency (cm) <i>-</i>
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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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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 <i>-</i>	circle units m/s or f/s	Average Stream Depth of reach (m) <i>0.6 meters</i>	Average Stream Width of reach (m) <i>4 meters</i>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: *90*
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: *10* 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				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:			
Physical				Pasturing of Livestock			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Bonnie Richards</i>	Taxonomist <i>K. Kamke</i>	Estimated Percent of Sample Sorted <i>47</i>
Date Processed <i>11-22-16</i>	Specimens Saved <i>Subsample archived in ABL until Mar 2020</i>	

*E2: 17 A1: 9 C2: 10 B1: 42
 D3: 23 C3: 16 B2: 13
 [130]*