

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name BALSAM BR		Waterbody ID Code 2618300	Sample ID (YYYYMMDD-CY-FD) 20181018-49-02
Sampling Location @ 150th Ave ~ 50m upstream			Database Key 168634602
SWIMS Station ID 10013508		SWIMS Station Name BALSAM BRANCH AT 150TH AVE.	
Latitude 45.42539	Longitude -92.46490	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) ST. CROIX		Watershed Name BALSAM BRANCH	County POLK

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG ROESLER	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2018
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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 m ²	Number of Samples in Composite 3 - 20 second Kicks	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) 9.4	D.O. (mg/l) 11.6	D.O. (% sat.) 101.6	pH (su) 7.7	Conductivity (umhos/cm) >120	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 checked="" 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 m	Average Stream Width of reach (m) 5.0 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40
 Sand: 10 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 (%)** 30%