

**Wadeable Macroinvertebrate
 Field Data Report**

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name DUCHESS CREEK		Waterbody ID Code 325100	Sample ID (YYYYMMDD-CY-FD) 2017 20151005-59-01
Sampling Location 09 30 m			Database Key 149402431
SWIMS Station ID 593132	SWIMS Station Name DUCHESS CREEK AT CTH H		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER	Watershed Name SHAWANO LAKE	County SHAWANO	

Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name EAST 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) 3	Estimated Area Sampled (m ²) 3	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Natural Community

Water Temp. (C) 9.78	D.O. (mg/l) 8.32	D.O. (%sat.) 74.3	pH (su) 7.26	Conductivity (umhos/cm) 193	Transparency (cm) 7122
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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 circle units m/s or f/s	Average Stream Depth of reach (m) 0.15	Average Stream Width of reach (m) 3.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 5
 Sand: 40 Clay: _____ Silt/Muck: 40 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 15 Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20
 Canopy Cover at Sample Site (%) 90

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>7/7/18</i>	Specimens Saved <i>Subsample archived in ABC (w/1) Nov 2018</i>	

AK 198