

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED Trib to Black River		Waterbody ID Code 1769000	Sample ID (YYYYMMDD-CY-FD) 20161005-61-03
Sampling Location @ Settlement Drive - downstream			Database Key 139554507
SWIMS Station ID 10046869		SWIMS Station Name UNNAMED TRIBUTARY TO BLACK RIVER (1769000) 10M US SETTLEMENT DR.	
Latitude 45.25573	Longitude -90.33365	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or <u>NAD83</u>
Basin (WMU) BLACK RIVER		Watershed Name BLACK AND LITTLE BLACK RIVERS	County TAYLOR

Sample and Site Descriptors

Sample Collector (Last Name, First) JOSEPH CUNNINGHAM Jeff Jackson	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2016
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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 min	Estimated Area Sampled (m²) 1.5 m ²	Number of Samples in Composite 3-20 second kicks	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 15.2	D.O. (mg/l) 6.5	D.O. (% sat.) 64.2%	pH (su) probe issue	Conductivity (umhos/cm) 114	Transparency (cm) 85
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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 circle units m/s or f/s	Average Stream Depth of reach (m) 0.25	Average Stream Width of reach (m) 1.5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 20
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 10% 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	U	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	U	U
Bank Erosion	U		Runoff: - Barnyard		U
Channelization: - Upstream			- Construction		
- Downstream			- Cropland	U	U
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	U	
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Grant Goddard</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>5-2-17</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2020</i>	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappnia angulata</i>	L	x1	11	Hitchcock 1974		
<i>Taeniopteryx</i>	L	-1	6	Hilsenhoff 1995		
<i>Acerpenna</i>	L	-1111	9	Kubertanz 2016	dam	N
<i>A. mackinnoughi</i>	L	"	2	"		
<i>A. pygmaea</i>	L	1	1	"		
<i>Isaiaea arata</i>	L	"	2	"		
<i>Caenis latipennis</i>	L	1	1	"		
<i>Ephemerella subvarra</i>	L	1	1	"		
<i>Stenacron interpunctatum</i>	L	111	3	"		
<i>Maccabertium</i>	L	-1	6	"	imm	N
<i>M. mediopunctatum</i>	L	"	2	"		
<i>M. vicarium</i>	L	x111111	18	"		
<i>Leptophlebia</i>	L	x1111	14	"	imm	N
<i>L. cupida</i>	L	x1111	33	"		
<i>Paraleptophlebia</i>	L	-1	6	"	imm	
<i>Cheumatopsyche</i>	L	x11	12	Hilsenhoff 1995		
<i>Hydropsyche boettleri</i>	L	-1	6	Schm, Hils. 1986		
Limnephilidae	L	1	1	Hilsenhoff 1995	imm	N
<i>Hydatophylax argus</i>	L	1	1	"		
<i>Hydroptila</i>	L	1	1	"		
<i>Dubiraphia</i>	L	"	2	Hils, Schm. 1992		N
<i>D. quadricinctata</i>	A	-	5	"		
<i>Ophiocercus</i>	L	x 10	10	"	imm	N
<i>O. fastidiosus</i>	L, 14 A, 2	x-1	16	"		
<i>Stenelmis</i>	L	111	3	"		N
<i>S. crenata</i>	A	"	2	"		
<i>Nemeroptromia</i>	L	111	3	cont. Merr. 2008		
Ephydriidae	P	1	1	Merr., Webb 2008		
<i>Simulium venustum</i> species complex	L	-1111	9	Adler et al 2004		
<i>Antocha</i>	L	1	1	Hilsenhoff 1995		
<i>Dyalis</i>	A	-1	6	Pennak 1978		
<i>Speoche</i>	A	"	2	Pluchino 1984		
Tribificinae w/ capilliform chaetae	A	1	1	Klemm 1985		
Split to Chironomidae	L	1 (J)				
<i>Conchapelopia</i>	L	1	1	cont. Epler 2013		
<i>Zavrelimyia</i>	L	1	1	"		

