

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name TURTLE CREEK		Waterbody ID Code 790300	Sample ID (YYYYMMDD-CY-FD) 20171113-54-02
Sampling Location 50 m downstream CTH S NC-347		Database Key 151303098	
SWIMS Station ID 10010979		SWIMS Station Name TURTLE CREEK - CTH S/E. CTY RD	
Latitude 42.54084	Longitude 88.99224	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER ROCK		Watershed Name TURTLE CREEK	County ROCK

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2017

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) 2	Estimated Area Sampled (m ²) 3	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 3.1	D.O. (mg/l) 14.48	D.O. (% sat.) 107.9	pH (su) 8.48	Conductivity (umhos/cm) 752	Transparency (cm)
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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 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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 30
 Sand: 50 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 50 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>Kyle Wilcox</i>	Taxonomist <i>Nimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>8/6/18</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2021</i>	

AB = 151

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Taeniopteryx</i>	L	-VIII	9	Hils 1995	imm	N
<i>T. huxleyi</i>	L	-	5	Foil Stead 1980		
<i>Macroperidinium</i>	L	B-1	36	Klob 2016	imm	N
<i>M. mediovittatum</i>	L	-III	9	"		
<i>M. terminatum</i>	L	III	23	"		
<i>Tamandodes</i>	L	-1	6	"		
<i>Isaachia</i>	L	I	1	"	imm	
<i>Argia</i>	L	I	1	West May 1996	imm	
<i>Boreochironomus numerosus</i>	L	II	2	Hils 1995		
<i>Chaetodontomyia</i>	L	-III	9	Hils 1995		
<i>Ceratomyia branta</i>	L	II	2	Schm Hils 1996		
<i>Dibriophis</i>	L	I	1	Hils Schm 1992		
<i>Ochroserius fastiditus</i>	L	I	1	"		
<i>Stenelmis</i>	L	II	2	"		N
<i>S. grossa</i>	A	I	1	"		
<i>Atherix variegata</i>	L	I	1	Hils 1995		
<i>Malleochorella</i>	L	I	1	"		
<i>Hemerodromia</i>	L	II	2	Court Merz 2008		
<i>Phlebotomus spicivorus</i>	A	II	2	Sawakadal 2015		
<i>Physa</i>	A	I	1	Thorp Ros 2016		
<i>Hydrobiidae</i> NDT <i>P. antipodarum</i>	A	-	5	Brown 1991		
<i>Pisidium</i>	A	II	2	Burch 1972		
<i>Sphaerium</i>	A	-	5	"		
<i>Spit Az Chironomidae</i>	L	III	500			
<i>Thienemanniella</i> group	L	I	1	Crain Epl 2013	mit indet	
<i>Orthocladius</i> OB300000	L	I	1	Crain Epl 2013	mit indet	N
<i>Pamphraetodius</i>	L	I	1	Ander et al 2013		
<i>Thienemanniella</i>	L	II	2	"		
<i>Tuctania discoloripes</i> group	L	III	3	Bode 1983		
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bicinctus</i> group	L	I	1	Ander + 3 2013		
<i>Cladotanytarsus</i>	L	XII	12	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	XI	15	"		
<i>Polypedilum</i> (<i>Uresiphidillum</i>) <i>flavum</i>	L	-I	6	Bolton 2012		
<i>Rhyacotanytarsus</i>	L	-I	6	Epl et al 2013		
<i>Tanytarsus</i>	L	I	1	"		