

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name WEST BRANCH LITTLE SUGAR RIVER		Waterbody ID Code 881400	Sample ID (YYYYMMDD-CY-FD) 20161012-23-01
Sampling Location <i>10-30 m upstream of Lake Ave. NC-235</i>		Database Key 135523274	
SWIMS Station ID 233027		SWIMS Station Name LITTLE SUGAR RIVER WEST BRANCH - LAKE ST, ABV MONTICELLO STP	
Latitude <i>42.74529</i>	Longitude <i>89.58408</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SUGAR - PECATONICA		Watershed Name LITTLE SUGAR RIVER	County GREEN

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SOUTH 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>3</i>	Estimated Area Sampled (m ²) <i>2</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: _____

Water Temp. (C) <i>13.0</i>	D.O. (mg/l) <i>9.42</i>	D.O. (% sat.) <i>89.3</i>	pH (su) <i>8.1</i>	Conductivity (umhos/cm) <i>613</i>	Transparency (cm) <i>100</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 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)	Average Stream Width of reach (m)
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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: *30*
 Aquatic Macrophytes: *10* Leaf Snags: *30* Coarse Woody Debris: *30* Other (____): _____
 Embeddedness of Substrate at Sample Site (%) *—* Canopy Cover at Sample Site (%) *100*

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:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Macayla Greider</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>53%</i>
Date Processed <i>4/19</i>	Specimens Saved <i>Subsample archived in dBL until Oct 2020</i>	

*E1 11 C3 35
 C2 17
 (64) SR 1.5 hrs
 C113 E3 18
 D3 13D2
 3131
 B29
 137*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
11 Taeniopteryx	L	1	1	Hilsenhoff 1995	imm	
Baetis brunneicollis	L	XI	11	Klubertanz 2016		
Stenacron interpinetatum	L	11	2	"		
Maccaffertium	L	1	1	"	imm	
Calopteryx maculata	L	11	3	West, May 1996		
Coenagrion/Enallagma	L	111	3	Schmude unpubl	imm	
32 Brachycentrus occidentalis	L	1	1	Hilsenhoff 1995		
Cheumatopsyche	L	8-111	38	Hilsenhoff 1995		
Hydropsyche betteni	L	-1	6	Schm, Nils. 1986		
34 Ceratopsyche spama	L	11	2	"		
Pycnopsyche	L	1	1	Hilsenhoff 1995		
Dibiraphia	L	1	1	Hib, Schm. 1992		
Macronychus glabratus	L	1	1	"		
Haloplus borealis	A	11	2	Hib, Brig. 1978		
H. immaculicollis	A	1	1	"		
H. friopsis	A	1	1	"		
Peltodytes duodecimpunctatus	A	1	1	"		
Ephedriidae	P	-11	7	Merr. Webb 2008		
Simulium vittatum species complex	L	XIII	14	Abertal 2004		
S. inningsi species group	L	1	1	"		
Amphocha	L	1	1	Hilsenhoff 1995		
Tipula	L	11	2	"		
Dixa	L	1	1	"		
Nemotelus	L	1	1	"		
Gammarus pseudolimnaeus	A	-111	8	Holsinger 1972		
Neolea striola	A	1	1	Hilsenhoff 1995		
Branchiobdellida	A	1	1	Thorp, Lowell 2016		
Physa	A	-11	7	Rogers 2016		
Split A3 chironomidae	L	1111D				
Thienemanniella	P	1111	4	Ferr. et al 2008		
Conchapelopia	L	1	1	Cran, Epler 2013		
Brillia	L	111	3	Ander + 3 2013	imm	N
B. flavifrons	L	11	2	Epler 2001		
Eukretoviella gracei group	L	1	1	Ander + 3 2013		
Rheocricotopus cobacki	L	1	1	Epler 2001		
Thienemanniella	L	11	2	Ander + 3 2013		N

3 taxa, TVAL ≤ 2.0
 4 < (0.1 x 116)

