

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name LEGLER SCHOOL BR			Waterbody ID Code 882900		Sample ID (YYYYMMDD-CY-FD) 20191007-23-01	
Sampling Location <i>10 m upstream of 2nd st. bridge</i>					Database Key 212561863	
SWIMS Station ID 10012076		SWIMS Station Name LEGLER SCHOOL BR - UPSTREAM OF SECOND ST. BRIDGE				
Latitude <i>42.80381</i>	Longitude <i>-89.63530</i>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>			Datum Used if using GPS <u>WGS84</u> or NAD83	
Basin (WMU) SUGAR - PECATONICA		Watershed Name LITTLE SUGAR RIVER			County GREEN	
Sample and Site Descriptors						
Sample Collector (Last Name, First) CAMILLE BRUHN				Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____						
Habitat Sampled						
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland						
Total Sampling Time (min) <i>2</i>	Estimated Area Sampled (m ²) <i>2</i>		Number of Samples in Composite <i>1</i>		Replicate No. _____ of _____	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____						
Water Temp. (C) <i>12.3</i>	D.O. (mg/l) <i>9.06</i>	D.O. (% sat.) <i>93.9</i>	pH (su) <i>7.98</i>	Conductivity (umhos/cm) <i>643</i>		Transparency (cm)
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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m)		Average Stream Width of reach (m)		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <i>80</i>		Gravel (ladybug to tennisball): <i>20</i>
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) <i>N/A</i>				Canopy Cover at Sample Site (%) <i>0</i>		

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 *NC: 241*

Special Instructions for Laboratory

10:00-1:00

For Lab Use Only

Sample Sorter <i>Dunn, Isabel</i>	Taxonomist <i>Drmick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>10%</i>
Date Processed <i>10/02/2020</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2023</i>	

Q1 A1 A3
 Q2 17 46
 Q3 11 27
 Q4 7 58
 } Note 27=173
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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	011	22	Klob 2016		
^{1/4} <i>B. tricaudatus</i>	L	III	4	"		
<i>Stenocranus</i>	L	II	2	Merrillum B 2019		
^{2/5} <i>Brachycentrus occidentalis</i>	L	I	1	Hols 1985		
<i>Ceratopsyche stossnani</i>	L	III	3	Schmitt Hols 1986		
<i>Cheumatopsyche</i>	L	-II	7	Merrillum B 2019		
<i>Hydropsyche betterii</i>	L	-	5	Schmitt Hols 1986		
<i>Optioservus</i>	L	xII	12	Merrillum B 2019	imm	N
<i>O. fastidius</i> L 24 A, 2	L/A	0-1	26	Hols Schm 1992		
<i>Simulium tuberosum</i> species complex	L	-	5	Adl et al 2004		
<i>S. vittatum</i> species complex 08110217	L	III	3	"		
<i>Gammarus pseudolimnaeus</i>	A	8-III	39	Hols 1972		
Dugesiiidae	A	I	1	Thorp Res 2016		
Physa	A	-	5	"		
Naididae	A	I	1	Kath Brin 1998		
<i>Simulium</i>	L	I	1	Merrillum B 2019	imm	N
split A2 Chironomidae	L	8-III				
<i>Tretania havanaea</i> group	L	I	1	Bode 1983		
<i>Trembidiformes</i>	A	I	1	Thorp Res 2016	imm	
<i>Thienemannimyia</i> group	L	II	2	And et al 2013	mt, odd imm	
<i>Orthocladius</i> 0830000	L	II	2	"	imm	N
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	I	1	"		
<i>Eukiefferella daripennis</i> group	L	III	3	"		
<i>Chironominae</i> 08330000	L	I	1	"	imm	N
<i>Micropsectra</i>	L	III	4	"		
<i>Paratanytarsus longistylus</i>	L	I	1	"		
<i>Polypedilum (Vespedilum) aviceps</i>	L	x-II	17	Bolton 2012		
<i>Rhytanytarsus</i>	L	x-I	11	And et al 2013		

< 3 taxa, TVAL ≤ 2.0