

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name <u>Unnamed</u>			Waterbody ID Code <u>926600</u>		Sample ID (YYYYMMDD-CY-FD) 20191007-33-01	
Sampling Location <u>35 m upstream Holland Road</u>					Database Key 212562027	
SWIMS Station ID 10052572		SWIMS Station Name UNNAMED TRIB TO WOOD BRANCH (WBIC 926600) AT HOLLAND RD				
Latitude <u>42.69743</u>	Longitude <u>-90.23584</u>	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 MIDDLE PECATONICA RIVER			County LAFAYETTE	
Sample and Site Descriptors						
Sample Collector (Last Name, First) CAMILLE BRUHN				Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019		
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) <u>2</u>		Estimated Area Sampled (m ²) <u>2</u>		Number of Samples in Composite <u>1</u>		Replicate No. _____ of _____
Reason For Sampling						
☐ Least Impacted Reference ☒ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____						
Water Temp. (C) <u>12.8</u>	D.O. (mg/l) <u>10.03</u>	D.O. (% sat.) <u>94.7</u>	pH (su) <u>8.01</u>	Conductivity (umhos/cm) <u>617</u>		Transparency (cm)
Water Color ☒ Clear ☐ Turbid ☐ Stained				Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☒ 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: <u>10</u>		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>20</u>		Gravel (ladybug to tennisball): <u>50</u>
Sand: <u>10</u>		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (<u>Moss</u>): <u>10</u>
Embeddedness of Substrate at Sample Site (%) <u>0</u>				Canopy Cover at Sample Site (%) <u>0</u>		

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

Comments *NC: 263*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>COASH, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>0.66</i>
Date Processed <i>10/4/2020</i>	Specimens Saved <i>Subsample archived in ABC until Nov 2023</i>	

B1-2: 50

B1-3: 20

E3-3: 25

E3-1: 25

126

[illegible]

23 taxa, $TVAL \leq 2.0$