

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name UNNAMED		Waterbody ID Code 5033535		Sample ID (YYYYMMDD-CY-FD) 20181019-28-03	
Sampling Location 15 m upstream of Hustisford Rd Culvert NC-307					Database Key 169811061
SWIMS Station ID 10051151		SWIMS Station Name UNNAMED TRIBUTARY (5033535) AT HUSTISFORD RD			
Latitude 43.16615	Longitude 88.64727		Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER ROCK		Watershed Name SINISSIPPI LAKE		County JEFFERSON	
Sample and Site Descriptors					
Sample Collector (Last Name, First) AMRHEIN, JAMES			Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2018		
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 type="checkbox"/> Riffle <input checked="" 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) 2	Estimated Area Sampled (m²) 3		Number of Samples in Composite 1		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) 8.7	D.O. (mg/l) 16.35	D.O. (% sat.) 140.1	pH (su) 7.76	Conductivity (umhos/cm) 627	Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			<input checked="" 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)		
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): _____	Gravel (ladybug to tennisball): _____	
Sand: _____		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: <u>70</u>	
Aquatic Macrophytes: <u>30</u>		Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) <u>N/A</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		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

3E = 28
 2D, 3B = 99
 Total = 127
~~2E, 1B =~~
~~1E =~~

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 9/9/2019	Specimens Saved Subsample archived in ABC lab / Nov 2022	

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	xi	31	Klub 2016	dam	
Caenis diminuta	L	iii	3	"		
Coenagrionidae	L	iiii	4	West May 1996	dam/imm	
Bezzia/Palparmyia	L	i	1	Hols 1985		
Odontomyia	L	ii	2	"		
Orthocladius (Orthocladius)	P	xi i	1	Coff et al 1986		N
Cranonyx	A	i	1	Hols 1972	rem	
Caecidotea racovitzai racovitzai	A	Bx-ii	57	Will 1972		
Coryidae	A	-	5	Hols 1985	imm	
Cyclopidae	A	i	1	Thorp 2007		
Fossaria	A	-ii	7	Brown 1991		
Stagnicola	A	BB0-iii	104	"		
Physa	A	Bx-ii	57	Thorp 2007		
Planorbidae	A	i	1	"	dam	N
Ayraulus deflexus	A	-	15	Burch 1982		
Helosoma anceps	A	-	5	"		
Planorbula armigera	A	i	1	"		
Prometis exacuvus	A	x-iii	19	"		
Pisidiidae	A	iii	3	Thorp 2007	imm	N
Muscicula	A	x-	15	Macke 2007		
Naidinae	A	-ii	7	Brown 1991		
Tubificonae (without hairs)	A	ii	2	Klemm 1985		
Helobdella stagnalis species complex	A	i	1	Saglam et al 2013		
H. transversa	A	i	1	Klemm 1985		
Spitt A-3 Chironomidae	L	ii-iii	D			
Corynoneura	L	i	1	And+3 2013		
Cricotopus (Cricotopus) brevicornis group	L	i	1	"		
Hydrobaenus	L	iii	3	"		
Orthocladius (Orthocladius)	L	ii	2	"		Y
O. (O.) oliveri	L	xiii	14	Bolton 2012		
Thienemannella	L	i	1	And+3 2013	imm	
Chironomus	L	iii	3	Epl et al 2013		
Endochironomus subtendens	L	i	1	Bolton 2012		
Olyptotendipes	L	ii	2	Epl et al 2013		
Microsectra	L	iiii	9	"		
Polypedium (Polypedium) illinoense group	L	i	1	Bolton 2012		
Tanytarsus	L	i	1	Epl et al 2013		