

**Instructions:** Bold fields must be completed.

Station Summary					
Waterbody Name <u>Unnamed trib</u>			Waterbody ID Code		Sample ID (YYYYMMDD-CY-FD) <u>20191107-24-03</u>
Sampling Location					Database Key 210277323
SWIMS Station ID 10052886		SWIMS Station Name UNNAMED TRIB TO FOX RIVER AT HWY 49			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX		Watershed Name FOX RIVER - BERLIN			County GREEN LAKE
Sample and Site Descriptors					
Sample Collector (Last Name, First) DAVID BOLHA			Project Name EAST 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 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) <u>2</u>	Estimated Area Sampled (m <sup>2</sup> ) <u>1.0</u>		Number of Samples in Composite <u>1</u>		Replicate No. _____ of _____
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: <u>Natural Community</u>					
Water Temp. (C) <u>2.0</u>	D.O. (mg/l) <u>12.9</u>	D.O. (% sat.) <u>94.4</u>	pH (su) <u>7.9</u>	Conductivity (umhos/cm) <u>628.0</u>	Transparency (cm) <u>120</u>
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			Estimated Stream Velocity (m/s) <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) <u>0.2</u>		Average Stream Width of reach (m) <u>1.5</u>	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>10</u>	Gravel (ladybug to tennisball): <u>50</u>	
Sand: <u>30</u>		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: <u>10</u>	Other ( _____ ): _____	
Embeddedness of Substrate at Sample Site (%) <u>70</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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton		N	N	Chlorine		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		N	N
- Planktonic Algae		N	N	Nutrients (P, N...)		PL	PL
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	N
Macrophytes		N	N	- Organic (PCBs, pesticides...)		N	N
Slimes		N	N	Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PL	PL
				Point Source - Specify:		N	N
				Pasturing of Livestock		N	N
<b>Physical</b>				Runoff: - Barnyard		N	N
Bank Erosion		PL	PL	- Construction		N	N
Channelization: - Upstream		PH	PH	- Cropland		PH	PH
- Downstream		PH	PH	- Urban		N	N
Hydraulic Scour / Channel Incision		N	N	Septic Systems		N	N
Impoundment: - Upstream		N	N	Tile Drainage - Organic Soils		N	N
- Downstream		PH	PH	- Mineral Soils		PL	PL
Low Flow		PH	PH	Springs		N	N
Sedimentation		PH	PH	Tributary(s)		N	N
Sludge		N	N	Wetland		N	N
Thermal		N	N	Other - Specify:			
Turbidity		PL	PL				
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Demock, Jeffrey	Estimated Percent of Sample Sorted 43%
Date Processed 9/8/2020	Specimens Saved 126 subsample archived in ASL until Oct 2023	

5 8 15 21 32 17 19 2 6  
 E1Q1 D3 E1Q2,3,4 D2 B2 C2 A2 A1Q1 A1Q4

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	III	3	Kieh 2016		
<i>Glossosoma intermedium</i>	L	III	3	Wym Mor 2000		
<i>Ceratopsyche stlossonae</i>	L	I	1	Schm Hils 1986		
<i>Cheumatopsyche</i>	L	III	3	Merriman B 2019		
<i>Hydropsyche</i>	L	I	1	Hils 1995	imm	N
<i>id. betteni</i>	L	III	3	Schm Hils 1986		
Limnephilidae	L	II	2	Merriman B 2019	imm	
<i>Ptilostomus</i>	L	I	1	"		
<i>Nephele</i>	L	II	2	"	imm	
<i>Optioserius</i>	L	-I	6	"	imm	N
<i>O. fastiditus</i>	L	III	3	Hils Schm 1992		
<i>Neoplasta</i>	L	III	3	Merriman B 2019		
Ephydriidae	L	4	2	"		N
Ephydriidae	P	III	3	"		
<i>Simulium vittatum</i> species complex	L	III	3	Adl et al 2004		
<i>Cricotopus</i> ( <i>Cricotopus</i> )	P	I	1	Wieder 1986		
<i>Gammarus pseudolimnaeus</i>	A	B&C	74	Hils 1972		
Serehonidae	A	I	1	Peck et al 1990		
Enchytraeidae	A	I	1	Temp Rog 2016		
Tubificinae (without hairs)	A	III	3	Birn Geis 1991		
<del>Split A2 Chironomidae</del>	L	X-250				
<i>Dramesa</i>	L	I	1	And et al 2013		
<i>Brillia</i>	L	I	1	"	imm	
<i>Corynoneura</i>	L	I	1	"		
<i>Cryptochironomus</i>	L	I	1	"		
<i>Orthocladius</i>	L	III	3	"	imm	N
<i>O. (Orthocladius)</i>	L	I	1	"		
<i>Micropsectra</i>	L	I	1	"		
<i>Paratendipes</i>	L	I	1	"		
<i>Rheotanytarsus</i>	L	III	4	"		

23 taxa, TVAL < 2.0