

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

Station Summary			
Waterbody Name EAST FORK BLACK RIVER		Waterbody ID Code 1729000	Sample ID (YYYYMMDD-CY-FD) 20191107-27-01
Sampling Location 5m upstream Knutes Rd bridge		Database Key 212561661	
SWIMS Station ID 10033948		SWIMS Station Name EAST FORK BLACK AT KNUTES ROAD	
Latitude 44.36722602	Longitude -90.37642699	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) BLACK RIVER		Watershed Name EAST FORK BLACK RIVER	County JACKSON

Sample and Site Descriptors	
Sample Collector (Last Name, First) TAYLOR M HASZ, ANDREW J SCHNEYER	Project Name WEST 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) 1	Estimated Area Sampled (m <sup>2</sup> ) 2	Number of Samples in Composite 1	Replicate No. 1 of 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: NCSR

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" 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) 1.3	Average Stream Width of reach (m) 8
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: 20 Overhanging Vegetation: 50  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: 10 Other ( ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 0 Canopy Cover at Sample Site (%) 20

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

Comments *sanded just upstream of Knutes Rd bridge. Sampled stream margins due to no riffle habitat.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Demick Jeffrey</i>	Estimated Percent of Sample Sorted <i>8%</i>
Date Processed <i>9/22/2020</i>	Specimens Saved <i>143 subsample archived in ABL until Oct 2023</i>	

*35 18 29 33 28*  
*D2Q1 B2Q3 D2Q4 B2Q2 D2Q2*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Eurylophella</i>	L	W	5	MerrLumm B 2019	imm	
<i>Stenacron</i>	L	I	1	"	imm	N
<i>S. inter punctatum</i>	L	"	2	Klich 2016		
<i>Leptophlebia</i>	L	BW	45	MerrLumm B 2019	imm	N
<i>L. cupida</i>	L	I	1	Klich 2016		
<i>Siphloplecton basale</i>	L	I	1	"		
<i>Calopteryx maculata</i>	L	I	1	West May 2006		
<i>Taeniopteryx</i>	L	I	1	MerrLumm B 2019	imm	
<i>Hesperocorixa michiganensis</i>	A	III	3	Hils 1984		
<i>H. minorella</i>	A	III	6	"		
<i>Sigara compressoidea</i>	A	"	2	"		
<i>S. douglasensis</i>	A	L	1	"		
<i>S. signata</i>	A	L	1	"		
<i>Cheumatopsyche</i>	L	III	3	MerrLumm B 2019		
<i>Limnephilidae</i>	L	II	2	"	imm	N
<i>Platycentropus amicus</i>	L	I	1	Wrgs 1996		
<i>Pycnopsyche</i>	L	I	1	MerrLumm B 2019		
<i>Ptilostomis</i>	L	I	1	"		
<i>Neureclipsis</i>	L	IV	2	"		
<i>Polycentropus</i>	L	II	2	"		
<i>Ceratopogonidae</i>	L	I	1	"	dam	
<i>Crangonyx</i>	A	III	4	Thorp Bog 2016	fem	
<i>Laevapex fuscus</i>	A	I	1	"		
<i>Pisidium</i>	A	I	1	"		
<i>Lumbriculus</i>	A	I	1	"		
<del><i>Chaetogaster</i></del>	A	III		<del>Kath Brin 1998</del>		
<i>Rhyssalus parasita</i>	A	III	8	Kath Brin 1998		
<i>Tubificonae</i>	A	I	1	"	post frag	
<i>Cyclopidae</i>	A	X	10	Thorp Bog 2016		
<del><i>Split A2 Chironomidae</i></del>	L	<del>III</del>				
<i>Microtendipes pedellus group</i>	L	X-III	19	And et al 2013		
<i>Rhyssalus</i>	L	II	2	"		
<i>Ablabesmyia (Ablabesmyia)</i>	L	II	2	"	imm	
<i>Nilotanytus fimbriatus</i>	L	I	1	Bolton 2012		
<i>Zaurelmyia</i>	L	I	1	And et al 2013		
<i>Thienemannimyia group</i>	L	III	4	"	mt med	
<i>Nannocladius (Nannocladius) crassicornis/ cf. not nervis</i>	L	I	1	Bolton 2012		

