

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BUCKSKIN SCHOOL CREEK	Waterbody ID Code 897300	Sample ID (YYYYMMDD-CY-FD) 20181018-23-01
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Sampling Location 5 m upstream CH J NC-231	Database Key 169497051
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SWIMS Station ID 10012072	SWIMS Station Name BUCKSKIN SCHOOL CREEK - UPSTREAM OF CTY. RD. J
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Latitude 42.67071	Longitude 89.69693	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) SUGAR - PECATONICA	Watershed Name JORDAN AND SKINNER CREEKS	County GREEN
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Sample and Site Descriptors

Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name SOUTH DISTRICT NC STREAM STRATIFIED SITES 2018
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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 (m²) 1	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 10.5	D.O. (mg/l) 11.0	D.O. (% sat.) 98.5	pH (su) 8.12	Conductivity (umhos/cm) 592	Transparency (cm)
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 40
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 0

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Natalie Coash</i>	Taxonomist <i>Dimick LaPrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>9/6/2019</i>	Specimens Saved <i>Subsample archived in ABC until Nov 2022</i>	

B3-105
 E3-67

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	/	5	Kub 2016		
^{1/5} <i>B. bicaudatus</i>	L	/	5	"		
^{2/10} <i>Brachycentrus occidentalis</i>	L	/	5	Hils 1985		
^{3/12} <i>Clossosoma</i>	L	I	1	Hils 1985	imm	N
<i>C. intermedium</i>	L	I	1	Wym Mar 2000		
Hydropsychidae	L	II	2	Hils 1985	imm	N
<i>Cheumatopsyche</i>	L	II III	22	"		
<i>Hydropsyche</i>	L	III	4	"	imm	N
<i>H. befferi</i>	L	X	10	Schm Hils 1986		
<i>Ceratopsyche</i>	L	-I	6	Hils 1985	imm	N
<i>C. bronze</i>	L	II	2	Schm Hils 1986		
<i>C. strosseri</i>	L	I-III	39	"		
<i>Optiservus</i>	L	X	15	Hils Schm 1992	imm	N
<i>O. fastiditus</i> L, 7 A, B	L, A	or	25	"		
<i>Aemerodromia</i>	L	II	2	Cont Merr 2008		
Ephyrididae	L	I	1	"		
<i>Simulium vittatum</i> species complex 08110217	L	II	2	Adl et al 2004		
<i>Simulium</i> (StebSC, n=1 5.11.18.18.18.18)	P	II	2	"		n=1, Y
<i>Antocha</i>	L	/	5	Hils 1985		
Dicranota	L	II	2	"		
<i>Diamesa</i>	P	II	2	Fer et al 2008		
<i>Tvetenia</i>	P	I	1	"		N
<i>Gammarus pseudolimnaeus</i>	A	XI	4	Hils 1972		
Dugesiiidae	A	II	2	Thorp Reg 2016		
Tubificidae (without hairs)	A	I	1	Klemm 1985		
Physa	A	III	3	Thorp Reg 2016		
<i>Pisidium</i>	A	III	3	Mackie 2007		
<i>Eukiefferiella devonica</i> group	L	I	1	And + 3 2013		
<i>Tvetenia bavarica</i> group	L	III	3	Bode 1983		
<i>Microtendipes pedellus</i> group	L	I	1	Epl et al 2013		
<i>Polypedilum (Uresipidilum) aviceps</i>	L	I	1	Bolton 2012		

3 taxa, TVAL ≤ 2.0

12 < (0.1 x 160)