

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name BULL JUNIOR CREEK			Waterbody ID Code 1435000		Sample ID (YYYYMMDD-CY-FD) 20181029-37-03	
Sampling Location US bridge ~30m					Database Key 171260016	
SWIMS Station ID 10009368		SWIMS Station Name BULL JUNIOR CREEK UPSTREAM MAPLE RIDGE ROAD - STATION 1				
Latitude		Longitude		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) CENTRAL WISCONSIN			Watershed Name BULL JUNIOR CREEK		County MARATHON	
Sample and Site Descriptors						
Sample Collector (Last Name, First) MYCAL RALEIGH				Project Name WEST 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) 1	Estimated Area Sampled (m²) 1.5		Number of Samples in Composite 1		Replicate No. 1 of 1	
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: NCSR		
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)		Transparency (cm)
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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.3		Average Stream Width of reach (m) 4		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): 10		Rubble (tennisball to basketball): 30		Gravel (ladybug to tennisball): 20
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: 40
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (): _____
Embeddedness of Substrate at Sample Site (%) 10				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	N	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	N	U	Wetland	U	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 53%
Date Processed 9/16/19	Specimens Saved 20 + 34 + 25 + 35 + 30 = 144	

DS B/A1 DV/E2 02/E1 E3 Total
 subsample archived in ABC until Dec 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allorhania	L	x	10	Hils 1995		
Isoneura	L	iii	3	"	imm	N
I. signata	L	ii	2	Hils 1982		
I. strosserae	L	i	1	"		
Toenionteryx	L	i	1	Hils 1995	imm	N
T. burksi	L	x	10	Full stem 1980		
Baetis intercalaris	L	i	1	Klub 2016		
Acerpenna	L	i	1	"	dam	N
A. macdunnoughi	L	iii	3	"		
A. pycmaea	L	iii	3	"		
Placiditus cestus	L	i	1	"		
Baetisca laurentina	L	x	15	"		
Eurylophella	L	i	1	"	imm	
Mocquetterium mediotuberculatum	L	i	1	"		
M. vicarium	L	ii	2	"		
Leptophlebia	L	xiii	13	"	imm	N
L. apicalis	L	ii	2	"		
Ephemeroptera	L	i	1	Cran Daly 2008	dam	N
Basiaeschna janata	L	i	1	Need et al 2000		
Calopteryx aequabilis	L	i	1	West May 1996		
Brachycentrus numerosus	L	i	1	Hils 1985		
Hydropsyche	L	ii	2	"		
H. betteni	L	x	15	Schm Hils 1986		
Platycentropus amicus	L	ii	2	Wigg 1996		
Psychomyia flavida	L	i	1	Hils 1995		
Dubiraphia	L	i	1	Hils Schm 1992		N
D. minima	A	i	1	"		
Optiosewus	L	i	5	"	imm	N
O. fastidius	L, A	ii	2	"		
Stenelmis	L	i	1	"		
S. crenata	A	i	1	"		
Simulium	P	i	1	Adl et al 2004		
Hyalella arteca	A	8	36	Sorek et al 2015		
Dugesiiidae	A	i	1	Thorp Pq 2016		
Ranatra fusca	A	i	1	Hils 1984		
Pedocapida	A	i	1	Thorp Pq 2016		
Naidinae	A	i	1	Brinfield 1991		

