

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name WESTFIELD CREEK		Waterbody ID Code 166000	Sample ID (YYYYMMDD-CY-FD) 20181031-39-01
Sampling Location		Database Key 168360396	
SWIMS Station ID 10009782		SWIMS Station Name WESTFIELD CREEK - WESTFIELD CREEK WPDES REVIEW	
Latitude 43.89287	Longitude -89.47796	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX		Watershed Name MONTELLO RIVER	County MARQUETTE

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2018

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) 3	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. _____ of _____
---------------------------------------	--	--	--

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: *Natural Community Stratified Sampling*

Water Temp. (C) 8.6	D.O. (mg/l) 11.4	D.O. (% sat.) 100.2	pH (su) 7.9	Conductivity (umhos/cm) 379.5	Transparency (cm) 94
-------------------------------	----------------------------	-------------------------------	-----------------------	---	--------------------------------

Water Color

Clear
 Turbid
 Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s)
 Moderate (0.15 m/s - 0.5 m/s)
 Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.7	Average Stream Width of reach (m) 6
--	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30
Canopy Cover at Sample Site (%) 50

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	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	PH	PL	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	PL
Impoundment: - Upstream	PH	PH	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	PL
Low Flow	N	N	- Mineral Soils	N	PL
Sedimentation	PH	PH	Springs	N	N
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	PH	PH	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kozlowski</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>8/7/19</i>	Specimens Saved <i>172</i>	

A2=76
 A3=96

172

Subsample a retrieved in ABC until Oct 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Caenis punctata</i>	L	I	1	Kleb 2016		
<i>Caenis</i>	L	I	1	"	imm	N
<i>Stenocranus</i>	L	III	32	"	imm	
<i>Maccaffertium</i>	L	X-III	18	"	dam/imm	N
<i>M. medropunctatum</i>	L	III	4	"		
<i>M. terminatum</i>	L	I	1	"		
<i>Tetroneura des</i>	L	"	2	"		
<i>Cheumatopsyche</i>	L	8-III	44	Hils 1995		
<i>Hydropsyche</i> <i>H. similkus</i>	L	I	1	"	dam	Y
<i>H. betteni</i>	L	III	4	Schmidts 1986		
<i>Ceratopsyche morosa bifida</i> group form	L	I	1	"		
<i>Leucotrichia pictipes</i>	L	III	42	Hils 1995		
<i>Limnephilidae</i>	L	L	1	"	imm	
<i>Psychomyia flavida</i>	L	"	2	"		
<i>Dubiraphia</i>	L	I	1	Hils Schmid 1992		
<i>Odrosesrus</i>	L	III	3	"	imm	N
<i>O. fastiditus</i>	L	I	1	"		
<i>Macronychus glabratus</i>	L	III	3	"		
<i>Stenelmis</i>	L	X-III	17	"		N
<i>S. cranata</i>	A	I	1	"		
<i>Ectopora leechii/nervosa</i>	L	I	1	"		
<i>Hemerodromia</i>	L	I	1	Court Mem 2008		
<i>Artocha</i>	L	IV	3	Hils 1995		
<i>Lebertia</i>	A	I	1	Plich 1984		
<i>Naidinae</i>	A	I	1	Brinkel 1991		
<i>Tubificinae (without hairs)</i>	A	I	1	Klemm 1985		
<i>Caerapex fuscus</i>	A	"	2	Thorp Res 2016		
<i>Pisidium</i>	A	I	1	Mackie 2007		
<i>Spilargy carinoidae</i>	L	III-IV				
<i>Conchocleora</i>	L	I	1	Cran Epl 2013		
<i>Orthocladinae</i> 08300000	L	I	1	Cranston 2013	imm	N
<i>Nanocladius</i>	L	I	1	Ad + 3 2013	imm	
<i>Thienemannella</i>	L	I	1	"	dam	
<i>Cladotanytarsus</i>	L	III	4	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	III	3	"		
<i>Polypedilum (virespidilum)</i>	L	I	1	"		N
<i>P.(V.) flavum</i>	L	"	2	Bolton 2012		

