

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name MOORE CREEK			Waterbody ID Code 1200000		Sample ID (YYYYMMDD-CY-FD) 20171101-42-09
Sampling Location DS bridge ~20m				Database Key 149819302	
SWIMS Station ID 10015619		SWIMS Station Name MORRIS (MOORE) CREEK STATION 1 - CTH T BRIDGE IN S23			
Latitude 43.759293	Longitude -90.586975		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN			Watershed Name UPPER KICKAPOO RIVER		County MONROE
Sample and Site Descriptors					
Sample Collector (Last Name, First) CAMILLE BRUHN			Project Name TRI CREEKS WATERSHED TWA 2017		
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 checked="" type="checkbox"/> Riffle		<input 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 type="checkbox"/> Other: Moore-Tri Creeks TWA	
Water Temp. (C) 4.53	D.O. (mg/l) 14.61	D.O. (%sat.) 113.2	pH (su) 8.69	Conductivity (umhos/cm) 494	Transparency (cm) 120+
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 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) 0.5		Average Stream Width of reach (m) 7m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 70	Rubble (tennisball to basketball): 10		Gravel (ladybug to tennisball): _____
Sand: 20		Clay: _____	Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 45			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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	U
- Filamentous Algae	N	N	Dissolved Oxygen	U	U
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	PH
Physical			Point Source - Specify:	N	N
Bank Erosion	PH	PL	Pasturing of Livestock	N	PH
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	PL
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	PL	- Cropland	PH	PH
Impoundment: - Upstream	N	PL	- Urban	N	N
- Downstream	N	N	Septic Systems	U	U
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	PH	PL	- Mineral Soils	U	U
Sludge	N	N	Springs	U	U
Thermal	U	U	Tributary(s)	PL	PL
Turbidity	N	N	Wetland	N	U
Other - Specify:			Other - Specify:		

Comments Sampled ~20m DS of bridge in larger riffle area. Boulders & sand substrate. Cropland in riparian areas beyond buffer strips.

Gotta keep these comments short - It's snowing!

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Justin Kowalski	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 5/6/18	Specimens Saved Subsample archived in dBL until Aug 2021	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis tricaudatus</i>	L	1	1	Klun 2016		
<i>Maccaffertium medianotatum</i>	L	III	3	"		
<i>M. terminatum</i>	L	III	1	"		
<i>Heptagenia elegantula</i>	L	1	1	"		
<i>Cheumatopsyche</i>	L	III	4	Hils 1995		
<i>Hydropsyche besteni</i>	L	III	3	Schludis 1986		
<i>Ceratopsyche</i>	L	1	5	Hils 1995	imm	N
<i>C. albedra</i>	L	1	1	Schludis 1986		
<i>C. branta</i>	L	II	2	"		
<i>C. macosa</i>	L	1	1	"	imm	
<i>C. spama</i>	L	*-III	19	Hils 1995		
<i>Hydropsyche</i>	L	II	2	Hils 1995		
<i>Stenonema</i>	L	I	1	Hils Schludis 1992		N
<i>S. crenata</i>	A	1	1	"		
<i>Atherix variegata</i>	L	III	3	Hils 1995		
<i>Hemere cromia</i>	L	1	1	Count May 2008		
<i>Androcha</i>	L	-II	7	Hils 1995		
<i>Cricotopus (Cricotopus)</i>	P	1	1	CoFR et al 1986		
<i>Gammarus pseudolimnoides</i>	A	x-1	16	Hils 1972		
<i>Naididae</i>	A	1	1	Ersevust 2002		
<i>tubificoid Naididae w/o hairs</i>	A	III	4	Erse et al 2008		Y
<i>tubificoid Naididae w/ hairs</i>	A	1	1	"		Y
<i>Spilostomatidae</i>	L	JJD				
<i>Ceratonereis</i>	L	1	1	Coan Epl 2013		
<i>Orthocladinae 0830000</i>	L	III	4	Cranston 2013	mt in dot	N
<i>Cardiocladius</i>	L	L	1	And + 3 2013	imm	N
<i>C. obscurus</i>	L	III	4	Epler 2001		
<i>Eukiefferiella devonica group</i>	L	1	1	And + 3 2013		
<i>Parakiefferiella</i>	L	I	1	"		
<i>Parametriocnemus</i>	L	xIII	13	"		
<i>Tvetenia bavarica group</i>	L	XI	11	Bode 1983		
<i>Tr. disalpinus group</i>	L	1	5	"		
<i>Orthocladus (Orthocladus)</i>	L	III	4	And + 3 2013		
<i>Cricotopus</i>	L	II	2	"		N
<i>Cricotopus/Orthocladus</i>	L	-III	9	Ferret et al 2008	imm	N
<i>Cladotanytarsus</i>	L	-III	8	Epl et al 2013		

