

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

Station Summary

Waterbody Name MOORE CREEK	Waterbody ID Code 1200000	Sample ID (YYYYMMDD-CY-FD) 20171018-42-03
--------------------------------------	-------------------------------------	---

Sampling Location About 20m from field - closest pt where field meets stream (SE corner of field)	Database Key 149819310
---	----------------------------------

SWIMS Station ID 10015623	SWIMS Station Name MORRIS (MOORE) CREEK STATION 8 - SW 1/4 OF S15 TRAIL IS NEAR STREAM
-------------------------------------	--

Latitude 43.856308	Longitude -90.61095	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

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) 0.5	Number of Samples in Composite 1	Replicate No. 1 of 1
---------------------------------------	--	--	------------------------------------

Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Tri Creeks TWA

Water Temp. (C) 11.27	D.O. (mg/l) 11.25	D.O. (% sat.) 102.8	pH (su) 8.28	Conductivity (umhos/cm) 424	Transparency (cm) 120+
---------------------------------	-----------------------------	-------------------------------	------------------------	---------------------------------------	----------------------------------

Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" 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) 5
--	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 45 Gravel (ladybug to tennisball): 50
 Sand: 5 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 5
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
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		
Physical			Bank Erosion	N	PL
Bank Erosion	PL	PL	Point Source - Specify:	N	N
Channelization: - Upstream	N	N	Pasturing of Livestock	N	PL
- Downstream	N	N	Runoff: - Barnyard	N	PL
Hydraulic Scour / Channel Incision	PL	PL	- Construction	N	N
Impoundment: - Upstream	N	N	- Cropland	PL	PH
- Downstream	N	N	- Urban	N	N
Low Flow	N	N	Septic Systems	U	U
Sedimentation	N	N	Tile Drainage - Organic Soils	U	U
Sludge	N	N	- Mineral Soils	U	U
Thermal	U	U	Springs	U	U
Turbidity	N	N	Tributary(s)	PL	PL
Other - Specify:			Wetland	N	U
			Other - Specify:		

Comments
*Sampled close to temp logger site. Riffle w/ mostly rubble & gravel sampled.
 Good riparian buffer area surrounding stream (county property).*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>5/11/18</i>	Specimens Saved <i>Subsample archived in DAC until Aug 2021</i>	

C3=90

D2=78

168

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
1/1	<i>Paragnetina media</i>	L	I	1	Hils. 1995		
2/3	<i>Isoperla signata</i>	L	II	2	Hils. 1982		
	<i>Baetis brunneicollis</i>	L	I	1	Kühn 2016		
3/24	<i>B. tricaudatus</i>	L	011	22	"		
	<i>Maccaffertium</i> <i>luteum/vicarium</i>	L	III	3	"	imm	
4/26	<i>Paraleptanthebia</i>	L	II	2	"	imm	
7/27	<i>Brachycentrus occidentalis</i>	L	I	1	Hils. 1985		
4/18	<i>Glossosoma intermedium</i>	L	I	1	Wynn, Mar 2000		
	<i>Cheumatopsyche</i>	L	II	2	Hils. 1995		
	<i>Hydropsyche bellini</i>	L	III	3	Schm Hils 1986		
	<i>Ceratopsyche alhedra</i>	L	IV	3	"		
	<i>C. glossanae</i>	L	II	2	"		
7/32	<i>C. sparna</i>	L	IIII	4	"		
	<i>Oligoneurus</i>	L	I	5	Hils, Schm 1992	imm	N
	<i>O. fastiditus</i> L.3 A.6	L/A	-IIII	9	"		
8/35	<i>Atherix variegata</i>	L	III	3	Hils. 1995		
	<i>Neoplasta</i>	L	I	1	Lowt, Mar 2008		
	<i>Simulium debersum</i> species complex	L	-	5	Adk et al 2004		
	<i>S. vittatum</i> species complex 08110218	L	I	1	"		
	<i>Andecha</i>	L	IIII	4	Hils 1995		
	<i>Dicranota</i>	L	I	1	"		
	<i>Tipula</i>	L	II	2	"		
	<i>Eukiefferella</i>	P	I	1	Ferr et al 2008		N
	<i>Tretenia</i>	P	I	1	"		N
11/17	<i>Zumbor Metagynophora</i>	A	I	1	Bra Geld 1991		
	<i>Leb. acid. Naidiche w/o hairs</i>	A	I	1	Ersev et al 2008		
	Split A3 Chironomidae	L	-IIII	11/17			
	<i>Thienemannimyia</i> group	L	I	1	Cran Epl 2013	mt indet	
	<i>Orthocladius</i> 0830000	L	I	1	Cran et al 2013	imm	Y
	<i>Brillia</i>	L	I	1	Adk +3 2013	imm	
	<i>Eukiefferella claripennis</i> group	L	-	5	"		
	<i>Eu. devonica</i> group	L	II	2	"		
	<i>Diplocladius</i>	L	I	1	"		
	<i>Parametriocnemus</i>	L	XI	"	"		
	<i>Thienemannella</i>	L	I	1	"	imm	
	<i>Tretenia bavaria</i> group	L	-	5	Boob 1983		

> 3 taxa, TVAL ≤ 2.0
 35 > 10.1 × 100)

