

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

Station Summary

Waterbody Name MOORE CREEK	Waterbody ID Code 1200000	Sample ID (YYYYMMDD-CY-FD) 20171101-42-04
--------------------------------------	-------------------------------------	---

Sampling Location ~ 15 m US of Hwy 71 bridge	Database Key 149819294
--	----------------------------------

SWIMS Station ID 10016180	SWIMS Station Name MOORE CREEK - 10 YARDS UPSTREAM OF HWY 71
-------------------------------------	--

Latitude 43.8237411	Longitude -90.6102501	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) 0.5	Estimated Area Sampled (m²) 1	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: MOORE-TRI CREEKS TWA

Water Temp. (C) 3.72	D.O. (mg/l) 15.57	D.O. (% sat.) 118.1	pH (su) 8.78	Conductivity (umhos/cm) 461	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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
--	--

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 6
--	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 30

Sand: _____ 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 (%)** 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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
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	PL	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
Physical			Point Source - Specify: ^{upstream} Normal K WWTP	PL	N
Bank Erosion	PL	PL	Pasturing of Livestock	PH	PL
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	PL
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	PL	- Cropland	PL	PH
Impoundment: - Upstream	N	PL	- Urban	PL	N
- Downstream	N	N	Septic Systems	U	U
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	PL	N	- 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 US of Hwy 71 in heavily pastured area. Cows allowed to graze up to bank & enter stream. Case IH stone on left bank ~ 100 yds away. Meat plant on right bank DS of site & set back a little (~100yds).

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Sam Lamarche	Taxonomist Dimirk, Jeffrey	Estimated Percent of Sample Sorted 70%
Date Processed 5/2/19	Specimens Saved Subsample archived in BSL until Aug 2021	

E3
 116

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina media</i>	L		2	Hols 1995		
<i>Baetis tricaudatus</i>	L		3	Klub 2016		
<i>B. flavistriata</i> species complex	L	-	6	"		
<i>Macaotectum mediopunctatum</i>	L	-	7	"		
<i>Chumatopsyche</i>	L	x-	17	Hols 1995		
<i>Hydropsyche</i>	L		1	"	imm	N
<i>H. helteni</i>	L	-	5	Schm Hols 1986		
<i>Ceratopsyche</i>	L	x-	17	Hols 1995	imm	N
<i>C. albedra</i>	L		3	Schm Hols 1986		
<i>C. bipata</i>	L		1	"		
<i>C. sparna</i>	L	x-	143	"		
<i>Psychomyia flavida</i>	L		2	Hols 1995		
<i>Oligoneurus</i>	L		2	Hols Schm 1992	imm	N
<i>O. fastiditus</i> L3 A.1	LA		4	"		
<i>Stenelmis crenata</i>	A		2	"		
<i>Neoplasia</i>	L		1	Coat & Marc 2008		
<i>Simulium</i>	L		1	Adler et al 2004	imm	N
<i>S. vittatum</i> species complex 0810210	L		4	"		
<i>Antocha</i>	L		2	Hols 1995		
<i>Dixanota</i>	L		2	"		
<i>Ceratopsyche</i>	L	x-	16	"	imm	N
<i>Gammarus pseudolimnæus</i>	A		2	Hols 1972		
<i>Dugesidae</i>	A		1	Kolasa 1991		
<i>Entytraeidae</i>	A		1	Bainfeld 1991		
<i>Naidinae</i>	A		3	Erseust 2002		
<i>Tubificoid Naididae</i> w/o hairs	A		3	Erse et al 2008		
Split 03 Chironomidae	L	x-	JD			
<i>Cardiocladius obscurus</i>	L	-	6	Epler 2001		
<i>Eukiefferiella devonica</i> group	L		1	And +3 2013		
<i>Parametriocnemus</i>	L	x-	18	"		
<i>Thienemanniella</i>	L		1	"	dam	
<i>Tretenia bavarica</i> group	L	-	6	Bode 1983		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L		1	And +3 2013		
<i>Cricotopus</i> / <i>Orthocladius</i>	L		2	Ferr et al 2006	not idet	N
<i>Cladotanytarsus</i>	L		2	EpI et al 2013		
<i>Microtendipes pedellus</i> group	L		1	"		
<i>Pantanytarsus</i>	L		1	"	not idet	

> 3 taxa, TUAL ≤ 2.0

26 > (0.1 × 147)

