

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

Station Summary						
Waterbody Name MOORE CREEK			Waterbody ID Code 1200000		Sample ID (YYYYMMDD-CY-FD) 20171101-42-05	
Sampling Location ~ 20m US OF CHTT bridge					Database Key 149819290	
SWIMS Station ID 10016642		SWIMS Station Name MOORE (MORRIS) CREEK - 25 YDS US OF CHT T BRIDGE NEAR MEAD RD.				
Latitude 43.81368	Longitude -90.60286		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) 0.5	Estimated Area Sampled (m²) 1		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: MOORE - Tri Creeks TWA		
Water Temp. (C) 4.26	D.O. (mg/l) 15.59	D.O. (% sat.) 119.8	pH (su) 8.85	Conductivity (umhos/cm) 497		Transparency (cm) 120+
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained				<input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" 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) 0.3		Average Stream Width of reach (m) 4		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): 20	Rubble (tennisball to basketball): 70		Gravel (ladybug to tennisball): 10	
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 20				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	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	N	PL
			Point Source - Specify: <i>VPP Outfall US</i>	PL	N
Physical			Pasturing of Livestock	PH	PH
Bank Erosion	N	PL	Runoff: - Barnyard	N	PL
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	N	PL	- Urban	N	N
Impoundment: - Upstream	N	PL	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	N	N	- Mineral Soils	U	U
Sedimentation	N	N	Springs	U	U
Sludge	N	N	Tributary(s)	PL	PL
Thermal	U	U	Wetland	N	U
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments *Sampled riffle ~ 20m US of CHT bridge in active cow pasture. Curlyleaf pondweed present but not a problem. cows have complete access to stream.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Justin Kowalski</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>5/3/18</i>	Specimens Saved <i>Subsample archived in ABL until Aug 2021</i>	

E2
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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	i	1	Kluth 2016	imm	N
B. tricaudatus	L	-	5	"		
B. flavistriga species complex	L	-III	8	"		
Ephemerella	L	i	1	"	imm	
Mesocapnia medipunctatum	L	i	1	"		
Hydropsychidae	L	i	1	Hils 1995	imm	N
Cheumatopsyche	L	III	4	"		
Hydropsyche betteni	L	II	3	Schim Hils 1986		
Ceratopsyche alhedra	L	XI	11	"		
Orthotrichus	L	II	2	Hils Schim 1992	imm	N
O. fastidius	L	II	2	"		
Hemerodromia	L	i	1	Coat Merr 2008		
Simulium vittatum species complex 08110217	L	i	1	Adler et al 2004		
Antocha	L	II	2	Hils 1995		
Dicranota	L	II	2	"		
Gammarus pseudolimnoides	A	XI	11	Hils 1972		
Trembitidae	A	i	1	Thorp et al 2016	imm	
Mermithidae	A	i	1	"	imm	
Naididae	A	XI	11	Erse-Gust 2002		
Split 3 Chironomidae	L	II-IV				
Thienemannimyia group	L	i	1	Coat Epler 2013	imm	
Orthocladiinae 0830000	L	i	1	Cranston 2013	mt indet	N
Cardiocladius obscurus	L	II	2	Epler 2001		
Eukiefferiella devonica group	L	II	2	And + 3 2013		
Ev. graeci group	L	i	1	"		
Parametriocnemus	L	-	5	"		
Tretenia bavarica group	L	XI	11	Bode 1983		
Orthocladius (Orthocladius)	L	-	5	And + 3 2013		
Cricotopus/Orthocladius	L	i	1	Ferr et al 2008	imm	N
Cricotopus (Cricotopus) tremulus group	L	i	1	And + 3 2013		
Chironominae 08330000	L	II	2	Cranston 2013	imm	N
Cladotanytarsus	L	i	1	Epl et al 2013		
Anonsectra obediens group	L	i	1	Epler 2001	imm	
Polypedium (Uresipedilum) aviceps	L	II	32	Bilton 2012		
P.(U.) flavum	L	-II	7	"		
Rhytanytarsus	L	II	3	Epl et al 2013		

L3 taxa, TVAL ≤ 2.0