

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 1201300	Sample ID (YYYYMMDD-CY-FD) 20171101-42-02
Sampling Location ~20m US of bridge on CHTT			Database Key 149819274
SWIMS Station ID 10020678		SWIMS Station Name CREEK 21-12 ST. 7 CTH T BRIDGE IN S21	
Latitude 43.852592	Longitude -90.62555	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 min	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 4.61	D.O. (mg/l) 13.93	D.O. (%sat.) 108.1	pH (su) 8.56	Conductivity (umhos/cm) 398	Transparency (cm) 120+
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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) 0.25	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 75 Gravel (ladybug to tennisball): 15
 Sand: 5 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 5 Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 0 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	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:	N	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	PL	PL	- Urban	N	N
- Downstream	N	N	Septic Systems	U	U
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	N	N	- Mineral Soils	U	U
Sludge	N	N	Springs	U	U
Thermal	U	U	Tributary(s)	N	PL
Turbidity	N	N	Wetland	N	U
Other - Specify:			Other - Specify:		

Comments *Sampled ~ 20m US of bridge in riffle area. Site is in the middle of a cow & horse pasture. DS of bridge is heavily pastured as well. Livestock have unlimited access to stream in this pasture area.*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Taylor Hasz</i>	Taxonomist <i>Dumick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>5-2-18</i>	Specimens Sayed <i>Subsample archived in FAL until Aug 2021</i>	

AI: 297

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	I	1	Kluth 2016		
<i>B. tricaudatus</i>	L	IIII	9	"		
<i>B. flavistriga</i> species complex	L	II	2	"		
<i>Stenonema</i>	L	II	2	"	imm	
<i>Maccaffertium mediopunctatum</i>	L	I	1	"		
<i>Cnemidopsycha</i>	L	0	20	Hils 1995		
<i>Hydropsyche</i>	L	II	2	"	imm	N
<i>H. betteri</i>	L	I	1	Schm 18/16/1986		
<i>Ceratopsyche blossanae</i>	L	XII	12	"		
<i>C. spicua</i>	L	I	1	"		
<i>Orthotrichum</i>	L	IIII	4	Hils & Schum 1992	imm	N
<i>O. fastiditum</i>	L	II	2	"		
<i>Hemerodromia</i>	L	I	1	Scott & Merr 2008		
<i>Simulium vittatum</i> species complex 08110217	L	XXX	35	Adler et al 2004		
<i>Dicranota</i>	L	I	1	Hils 1995		
<i>Tretenia</i>	P	I	1	Ferr et al 2008		N
<i>Gammarus pseudolimnaeus</i>	A	XI	11	Hols 1972		
<i>Hydrobatas</i>	A	I	1	Pluch 1984		
<i>Leberdia</i>	A	I	1	"		
<i>Subiticaoid</i> Naicidae w/o hairs	A	I	1	Erse et al 2008		
<i>Gnathopetia</i>	L	I	1	Cran Epl 2013		
<i>Parametochremus</i>	L	I	5	Ande + 3 2013		
<i>Tretenia bavarica</i> group	L	01	21	Bode 1963		
<i>Tv. discoloripes</i> group	L	I	1	"		
<i>Cryptochironomus</i>	L	II	2	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	III	3	"		
<i>Polydora</i> (<i>Polydora</i>) <i>fallax</i> group	L	I	1	Bolton 2012		
<i>P. (P.) illinoense</i> group	L	I	1	"		
<i>P. (Tripodora) scabra</i> group	L	I	1	"		
<i>P. (Vesipedila)</i>	L	I	1	Epl et al 2013	mbindet	N
<i>P. (V.) avitops</i>	L	I	1	Bolton 2012		
<i>P. (V.) flavum</i>	L	0	20	"		
<i>Rheotanytarsus</i>	L	888x1	131	Epl et al 2013		

23 taxa, TVAL ≤ 2.0