

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

Station Summary			
<b>Waterbody Name</b> UNNAMED		<b>Waterbody ID Code</b> 1201600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171101-42-03
<b>Sampling Location</b> ~650ft US of impoundment & 475ft NE of Elroy-Sparta trail		<b>Database Key</b> 149819266	
<b>SWIMS Station ID</b> 10020672		<b>SWIMS Station Name</b> CREEK 17-16 ST. 1 455FT UPSTREAM FROM IMPOUNDMENT	
<b>Latitude</b> 43.858322	<b>Longitude</b> -90.63327	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> LOWER WISCONSIN		<b>Watershed Name</b> UPPER KICKAPOO RIVER	<b>County</b> MONROE

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> CAMILLE BRUHN	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 4.77	<b>D.O. (mg/l)</b> 14.23	<b>D.O. (% sat.)</b> 110.7	<b>pH (su)</b> 8.60	<b>Conductivity (umhos/cm)</b> 471	<b>Transparency (cm)</b> 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)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.1	<b>Average Stream Width of reach (m)</b> 3.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 85  
 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 (%)** 25

**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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PL	PL
<b>Physical</b>				Point Source - Specify:		N	N
Bank Erosion		PL	PL	Pasturing of Livestock		N	PL
Channelization: - Upstream		N	N	Runoff: - Barnyard		N	PL
- Downstream		N	N	- Construction		N	N
Hydraulic Scour / Channel Incision		N	PL	- Cropland		N	PH
Impoundment: - Upstream		N	N	- Urban		N	N
- Downstream		PH	PH	Septic Systems		N	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)		PL	PL
Turbidity		N	N	Wetland		PL	U
Other - Specify:				Other - Specify:			

Comments Hike in off bike path. Sampled riffle area. Buffer area wide & well protected - County/State property.

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Taylor Hazz	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 5-2-18	Specimens Saved Subsample archived in FAC until Aug 2021	

DI: 182

Dimick unpub 1

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Amphinema debisa</i> / <i>varshavi</i>	L	xii	12	Hils 1995	imm	N
<i>Isoperla</i>	L	-	5	"	imm	N
<i>I. signata</i>	L	x	10	Hils 1982		
<i>Baetis</i>	L	i	1	Kub 2016	dam	N
<i>Baetis tricaudatus</i>	L	oi	21	"		
<i>Maccaffertium</i> <u><i>tutum/vicarium</i></u>	L	-	5	"	imm	
<i>Paraleptophlebia</i>	L	iii	3	"	imm	
<i>Glossosoma intermedium</i>	L	i	1	Nym Mar 2000		
<i>Glossosoma</i>	L	i	1	Hils 1995	imm	N
<i>Cheumatopsyche</i>	L	i	1	"		
<i>Hydropsyche</i>	L	iiii	4	"	imm	N
<i>H. betteni</i>	L	-	5	Schm Hils 1986		
<i>Ceratopsyche alhedra</i>	L	i	1	"		
<i>C. glossanae</i>	L	x-	15	"		
<i>Neophylax</i>	L	i	1	Hils 1995	imm	
<i>Optiosepus</i>	L	-ii	8	Hils Schm 1992	imm	N
<i>O. fastiditus</i> L7 A.6	LA	xiii	13	"		
<i>Simulium tuberosum</i> species complex	L	ii	3	Ader et al 2004		
<i>S. vittatum</i> species complex 08110218	L	-	5	"		
<i>Dicranota</i>	L	-ii	7	Hils 1995		
<i>Tipula</i>	L	iii	3	"		
<i>Atherix variegata</i>	L	"	2	"		
<i>Orthocladius</i> ( <i>Orthocladius</i> )	P	i	1	Koff et al 1986		
<i>Gammarus pseudolimnaceus</i>	A	iii	4	Hils 1972		
<i>Hydrabates</i>	A	i	1	Puech 1984		
<i>Lebertia</i>	A	i	1	"		
<i>Sperothroposis</i>	A	i	1	"		
<i>Ataga</i> <i>Metasynophora</i>	A	i	1	Brin Gled 1991		
<i>Orthocladidae</i> 08300000	L	i	1	Cranston 2013	imm	N
<i>Parameletioctenurus</i>	L	xiii	13	And + 3 2013		
<i>Tvetenia bavarica</i> group	L	-ii	7	Bode 1983		
<i>Chironominae</i> 08330000	L	i	1	Cranston 2013	mt indet	N
<i>Microsetra</i>	L	i	1	Epl et al 2013		
<i>Paraburysus</i>	L	i	1	"	mt indet	N
<i>P. sp A</i>	L	i	1	Hils unpub		
<i>Polyperidilum</i> ( <i>Uresinidilum</i> ) <i>aviceps</i>	L	oi	21	Bolton 2012		

>3 taxa, TVAL ≤ 2.0

387 (0.1 x 159)

