

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

Station Summary			
<b>Waterbody Name</b> UNNAMED		<b>Waterbody ID Code</b> 1201100	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171018-42-05
<b>Sampling Location</b> ~ 10 m US from bridge			<b>Database Key</b> 149819286
<b>SWIMS Station ID</b> 10020776		<b>SWIMS Station Name</b> CREEK 28-8 ST. 6 HWY 71 IN S28	
<b>Latitude</b> 43.83721	<b>Longitude</b> -90.62974	<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	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 0.5	<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: Tri Creeks TWA

<b>Water Temp. (C)</b> 11.39	<b>D.O. (mg/l)</b> 11.82	<b>D.O. (%sat.)</b> 108.3	<b>pH (su)</b> 8.30	<b>Conductivity (umhos/cm)</b> 576	<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> 0.5	<b>Average Stream Width of reach (m)</b> 2
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_     
 Boulders (basketball or larger): 15     
 Rubble (tennisball to basketball): 50     
 Gravel (ladybug to tennisball): 30  
 Sand: 5     
 Clay: \_\_\_\_\_     
 Silt/Muck: \_\_\_\_\_     
 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_     
 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	
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton			Chlorine		
N	N		U	U	
- Filamentous Algae			Dissolved Oxygen		
N	N		U	U	
- Planktonic Algae			Nutrients (P, N...)		
N	N		U	U	
Iron Bacteria			Toxics: - Inorganic (Metals)		
N	N		U	U	
Macrophytes			- Organic (PCBs, pesticides...)		
N	N		U	U	
Slimes			Other - Specify:		
N	N				
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion		
			N	PL	
<b>Physical</b>			Point Source - Specify:		
Bank Erosion			N	PL	
Channelization: - Upstream			Pasturing of Livestock		
N	N		N	PL	
- Downstream			Runoff: - Barnyard		
N	N		N	PL	
Hydraulic Scour / Channel Incision			- Construction		
N	PL		N	N	
Impoundment: - Upstream			- Cropland		
N	N		PH	PH	
- Downstream			- Urban		
N	N		N	N	
Low Flow			Septic Systems		
N	N		U	U	
Sedimentation			Tile Drainage - Organic Soils		
N	N		U	U	
Sludge			- Mineral Soils		
N	N		U	U	
Thermal			Springs		
U	U		U	U	
Turbidity			Tributary(s)		
N	N		PL	PL	
Other - Specify:			Wetland		
			N	U	
			Other - Specify:		

Comments *Sampled in deep riffle ~ 10m US from bridge in area with boulders & rubble mostly. Corn fields within ~ 3m of stream in some places.*

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Kiersten Carnechi</i>	Taxonomist <i>Dimock, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>5/1/2018</i>	Specimens Saved <i>Subsample archived in ABC until Aug 2021</i>	

① B3 = 64  
 ② C2 = 58  
 ③ A2 = 32  
 Total: 154

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis hannahcolor	L		2	Klub 2016		
<sup>1/8</sup> B. tricaudatus	L	-	3	"		
B. flavistriga species complex	L		1	"		
<sup>2/10</sup> Brachycentrus occidentalis	L		2	Hils 1985		
Chironomidae	L		2	Hils 1985		
Hydropsychidae	L		1	"	imm	N
Hydropsyche	L		1	"	imm	N
H. betteni	L	x-	13	Schm Hils 1986		
Ceratopsyche alhedra	L		1	"		
C. strosseri	L	x-	14	"		
<sup>3/11</sup> Leucotrichia pirtipes	L		1	Hils 1985		
<sup>4/3</sup> Psychomyia flavida	L		2	"		
Nephelax	L	-	5	"	imm	
Oligoneurus	L		4	Hils Schm 1992	imm	N
D. fastidius L, 22 A, 7	LA	0-	29	"		
Simulium vittatum species complex 08/11/02/17	L		3	Adler et al 2004		
Antocha	L	x-	13	Hils 1985		
Hemerodromia	L		1	Coat Mer 2008		
Eukiefferiella	P		1	Ferret et al 2008		N
Gammarus pseudolimnensis	A	0-	29	Holsinger 1972		
Diamasa	L		3	SAE, And 2013		
Eukiefferiella claripennis group	L		2	And + 3 2013		
Tvetenia baranica group	L		1	Bode 1983		
Orthocladus (Orthocladus)	L		1	And + 3 2013		
Polypodilum (Uresipodilum) ariceps	L		2	Balton 2012		

>3 taxa, TVAL ≤ 2.0

147  
 13 < (0.1 x 147)