

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

Station Summary			
Waterbody Name BEAVER CREEK		Waterbody ID Code 836500	Sample ID (YYYYMMDD-CY-FD) 20171010-14-02
Sampling Location <i>2 m downstream of CTH C</i>			Database Key 151307076
SWIMS Station ID 10048826		SWIMS Station Name BEAVER CRK AT CTH C	
Latitude <i>43.51376</i>	Longitude <i>88.98522</i>	Lat/Long Determination Method (circle) SWIMS SWDV (GPS)	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER ROCK		Watershed Name BEAVER DAM RIVER	County DODGE

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name BEAVER CREEK 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) <i>2</i>	Estimated Area Sampled (m ²) <i>2</i>	Number of Samples in Composite <i>1</i>	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (C) <i>13.6</i>	D.O. (mg/l) <i>6.51</i>	D.O. (% sat.) <i>62.6</i>	pH (su) <i>7.90</i>	Conductivity (umhos/cm) <i>741</i>	Transparency (cm)
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Water Color <input 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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *70* Gravel (ladybug to tennisball): _____
 Sand: *20* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (*Leaves*): *10*

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		Local	Water-shed	Factors that may be influencing Water Resource Integrity		Local	Water-shed
Biological				Chemical			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Camarcho</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>4/11/18</i>	Specimens Saved <i>Subsample archived in ABL until Jun 2021</i>	

*E3 E1 C2 D2 A2
 31 49 22 40
 142*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Taetis intercalaris</i>	L	✓	5	Kubertanz 2016		
<i>Stenacron</i>	L	xii	12	"	dam/imm	N
<i>S. interpunctatum</i>	L	xi	21	"		
<i>Cheumatopsyche</i>	L	ix	35	Hilsenhoff 1995		
<i>Hydropsyche</i>	L	i	1	"	imm	N
<i>id. befferi</i>	L	xiii	13	Schm. Hils. 1986		
<i>Hydrophila</i>	L	iii	3	Hilsenhoff 1995		
<i>Polycentropus</i>	L	i	1	"		
<i>Dubiraphia</i>	L	iii	4	Hils. Schm. 1992		
<i>Problepsia</i>	L	i	1	Hilsenhoff 1995		
<i>Hemerodromia</i>	L	iii	3	Court. Mar. 2008		
<i>Simulium vittatum</i> species complex DBL0217	L	i	1	Ader et al 2004		
<i>Chrysops</i>	L	i	1	Hilsenhoff 1995		
<i>Parakiefferiella</i>	P	ii	2	Ferr. et al. 2008		
<i>Cricotopus (Cricotopus)</i>	P	i	1	Coff. et al. 1986		N
<i>Gammarus pseudolimnaeus</i>	A	xii	12	Holsinger 1972		
<i>Meiodonta intermedia</i>	A	xii	12	Williams 1972		
<i>Nemithidae</i>	A	ii	2	Reinart 1991	imm	
<i>Naididae</i>	A	i	1	Ersev. Gostov. 2002		
<i>Subitaneous Naididae w/o hair chaetae</i>	A	0	20	Ersev. et al 2008		
<i>Helophella stagnalis</i> species complex	A	i	1	Sag. et al 2018		
<i>Pisidium</i>	A	i	1	Burch 1972		
<i>Sphaerium</i>	A	iii	3	"		
<i>Split A5 Chironomidae</i>	L	iii	10			
<i>Orthocladiinae</i> <i>Group/Thienemar</i>	L	i	1	Cranston 2013	dam	Y
<i>Parakiefferiella</i>	L	iii	3	Ander. + 3 2013		N
<i>Orthocladius (Orthocladius)</i>	L	i	1	"		
<i>Cricotopus</i>	L	ii	2	"		Y
<i>C. (Cricotopus) bicinctus</i> group	L	ii	2	"		
<i>Micronsectra</i>	L	-i	6	Epler et al 2013		
<i>Microtendipes pedellus</i> group	L	iii	4	"		
<i>Paratanytarsus</i> sp. A	L	i	1	Hils. unpubl.		
<i>Polypedium (Polypedium) illinoense</i> group	L	i	1	Bolton 2012		
<i>P. (Tripodura) scalanum</i> group	L	ii	2	"		
<i>P. (Uresipedilum) flavum</i>	L	ii	2	"		
<i>Rheotanytarsus</i>	L	ii	2	Epler et al 2013		

<3 taxa, TVAL ≤ 2.0