

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

Station Summary			
Waterbody Name BEAVER CREEK		Waterbody ID Code 836500	Sample ID (YYYYMMDD-CY-FD) 20171010-14-01
Sampling Location <i>30 m downstream of CTH G</i>			Database Key 151307080
SWIMS Station ID 143120		SWIMS Station Name BEAVER CREEK AT CTH G	
Latitude <i>43.51688</i>	Longitude <i>88.97244</i>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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 _____
---------------------------------------	--	--	------------------------------

Reason For Sampling

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

Water Temp. (C) <i>13.3</i>	D.O. (mg/l) <i>7.80</i>	D.O. (% sat.) <i>74.0</i>	pH (su) <i>8.22</i>	Conductivity (umhos/cm) <i>738</i>	Transparency (cm)
--------------------------------	----------------------------	------------------------------	------------------------	---------------------------------------	-------------------

Water Color <input type="checkbox"/> Clear <input checked="" 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)
---	---

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
---	-----------------------------------	-----------------------------------

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *20* Gravel (ladybug to tennisball): *60*
 Sand: *20* 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				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			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13</i>
Date Processed <i>4/9/18</i>	Specimens Saved <i>subsample archived in ABC until Jun 2021</i>	

*A1=103
 DE3=289*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	1	1	Kilbertanz 2016		
<i>B. intercalaris</i>	L	x-1	16	"		
<i>B. flavistriga</i> species complex	L	-11	8	"		
<i>Stenocranus</i>	L		4	"	imm	N
<i>S. interpunctatum</i>	L	x	10	"		
<i>Habermia americana</i>	L	"	2	West, May 1996		
<i>Cnemidopsycha</i>	L		43	Hilsenhoff 1995		
<i>Hydropsyche</i>	L	1	1	"	imm	N
<i>H. betteni</i>	L		67	Schm, Ails. 1986		
<i>H. cyanis</i>	L		3	"		
<i>Ceratomydus</i>	L	1	1	Hilsenhoff 1995	imm	N
<i>C. bronchialis</i>	L	-	5	Schm, Ails. 1986		
<i>Hydroptila</i>	L		3	Hilsenhoff 1995		
<i>Polycentropus</i>	L	1	1	"		
<i>Dibrosia minima</i>	A	1	1	Hils, Schm. 1992		
<i>Stenelmis</i>	L		5	4 JIS		N
<i>S. crenata</i>	A	-1	6	"		
<i>Probezzia</i>	L	1	1	Hilsenhoff 1995		
<i>Nemerochromia</i>	L	-1	6	Coat, Mer. 2008		
<i>Simulium vittatum</i> species complex 08110217	L	0-1	26	Adler et al 2004		
<i>Simulium</i> (S.vitt SK)	P		4	"		N
<i>Parakiefferiella</i>	P	"	2	Ferr. et al. 2008		
<i>Cricotopus</i> (<i>Cricotopus</i>)	P		4	Coat. et al 1986		N
<i>Gammarus pseudolimnoides</i>	A	0	20	Holsinger 1972		
<i>Caeridotea intermedia</i>	A	-	5	Williams 1972		
<i>Mermistidae</i>	A	1	1	Poinar 1991	imm	
<i>Naididae</i>	A	1	1	Ersev, Gustav 2002		
<i>lubricoid Naididae w/o hair chaetae</i>	A	x-1	16	Ersev et al 2008		J
<i>lubricoid Naididae w/ hair chaetae</i>	A	"	2	"		J
<i>Megadrill</i>	A	1	1	Bain, Bank. 2016		
Split of Chironomidae	L					
<i>Orthocladius</i> 0830000 08300000	L	1	1	Cranston 2013	mt indet	N
<i>Parakiefferiella</i>	L	"	2	Anders + 3 2013		N
<i>Rhyacocricotopus robacki</i>	L	1	1	Epler 2001		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L	1	1	Anders + 3 2013		
<i>Cricotopus</i> / <i>Orthocladius</i>	L	1	1	Ferr. et al 2008	mt indet	N

c3 taxa, TVALS2.0

