

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNNAMED		Waterbody ID Code 836550	Sample ID (YYYYMMDD-CY-FD) 20171010-14-04
Sampling Location 50 m downstream S14 73 in Randolph			Database Key 151307038
SWIMS Station ID 10020833		SWIMS Station Name RANDOLPH UNNAMED TRIB AT HWY 73	
Latitude 43.53079	Longitude 89.00310	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) MICHAEL SORGE	Project Name BEAVER CREEK TWA 2017
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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) 2	Estimated Area Sampled (m²) 1	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 14.1	D.O. (mg/l) 11.92	D.O. (% sat.) 116.5	pH (su) 8.02	Conductivity (umhos/cm) 701	Transparency (cm)
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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): _____ Gravel (ladybug to tennisball): 50
 Sand: 40 Clay: 10 Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 50 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>Dimock, Jeffrey</i>	Estimated Percent of Sample Sorted	<i>93%</i>
Date Processed	<i>4/12/18</i>	Specimens Saved	<i>Subsample archived in ABC until Jun 2021</i>		

*C1 = 7 D2 = 11 D1 = 11
 A1 = 12 C3 = 4 rest but = 91*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Dytiscidae <i>Asghus/Ilybius/Meloboris</i>	L	x-11	17	Hilsenhoff 1995		N
Platambus semivittatus	A	-111	8	Hilsenhoff 1993		
Tricosternus glaber	A	1	1	Hilsenhoff 1995c		
Lepidoptera	L	1	1	Cross, Daly 2008		
Culicoides	L	1	1	Hilsenhoff 1995		
Muscidae	L	8/1	36	"		
<i>Simulium vittatum</i> species complex 08110217	L	x-1	16	Adler et al 2004		
<i>S. pilosum</i>	L	x1	11	"		
Tipula	L	11	3	Hilsenhoff 1995		
Limnophyes	P	11	2	Ferr. et al. 2008		
<i>Belostoma flumineum</i>	A	11	2	Hilsenhoff 1984a		
Split As Chironomidae	L	11	2	11		
<i>Diamesa</i>	L	1	1	South, And 2013		
<i>Prodiamesa olivacea</i>	L	11	2	South, And 2013a		
<i>Eukretella</i>	L	1	1	Ander. + 3 2013	mt indet	N
<i>Eu. claripennis</i> group	L	x1	11	"		
Limnophyes	L	0	20	"		N
<i>Parametriocnemus</i>	L	1	1	"		
<i>Rhectrotopus glabricollis</i>	L	1	1	Epler 2001		
<i>Rh. sp. VA</i>	L	1	1	"		
<i>Thienemanniella</i>	L	111	3	Ander. + 3 2013	dam	N
<i>Th. xena</i>	L	-	5	Bolton 2012		
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	1	1	Ander. + 3 2013		
<i>chironomus</i>	L	1	1	Epler et al 2013		
<i>Dicentropes</i>	L	1	1	"		
<i>Microsectra</i>	L	111	3	"		

< 3 taxa, TVAL ≤ 2.0