

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> BEAVER CREEK	<b>Waterbody ID Code</b> 836500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171010-11-02
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<b>Sampling Location</b> 40 m downstream of Hollnagel Rd	<b>Database Key</b> 151307046
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<b>SWIMS Station ID</b> 10048825	<b>SWIMS Station Name</b> BEAVER CRK AT HOLLNAGEL RD
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<b>Latitude</b> 43.51069	<b>Longitude</b> 89.07327	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <b>GPS</b>	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> UPPER ROCK	<b>Watershed Name</b> BEAVER DAM RIVER	<b>County</b> COLUMBIA
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> MICHAEL SORGE	<b>Project Name</b> 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

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

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

<b>Water Temp. (C)</b> 11.7	<b>D.O. (mg/l)</b> 13.3	<b>D.O. (% sat.)</b> 123.1	<b>pH (su)</b> 7.98	<b>Conductivity (umhos/cm)</b> 343	<b>Transparency (cm)</b>
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

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

**Embeddedness of Substrate at Sample Site (%)** 30 **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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				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>Brand Tagliarolo</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>4/7/18</i>	Specimens Saved <i>Subsample archived in AB Lents / Jun 2020</i>	

D1.135

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Coenagrion/Enallagma	L	I	1	Schum 1996		
Chironomus	L	III	8	Hilsenhoff 1995		
Hydropsyche bettoni	L	II	7	Schum, H.B. 1986		
Psectis	L	I	1	Hilsenhoff 1995		
Polytrichia	L	III	9	H.B. Schum. 1987		
Lidobates affinis	A	I	1	Hilsenhoff 1994		
Halipus immaculicollis	A	I	1	H.B., Briggs 1978		
Culex	L	II	32	Hilsenhoff 1995		
Procladius	L	III	4	"		
Meloboris	L	III	4	"		
Bezza / Paryphya	L	I	1	"		
Nematostrum	L	III	3	Cout, Mann 2008		
Tipula	L	I	1	Hilsenhoff 1995		
Cricotopus (Cricotopus)	P	II	2	Coff et al. 1986		
Tanytarsus	P	II	2	Ferr et al 2008		
Hyalella azteca	A	*I	4	Savada et al 2015		
Meunieridae	A	I	1	Pomar 2016		
Tribicoid Naididae w/o hair chaetae	A	II	3	Erkus et al 2016		
Fossaria	A	I	1	Brown 1991		
Physa	A	II	2	Rogers 2016		
<del>Spitzy Chironomidae</del>	<del>L</del>	<del>III</del>				
Conchapelopia	L	II	7	Cran, Epler 2013		
Twinemanimyia group	L	II	2	"	mt indet imm	N
Mesochorus	L	I	1	"		
Orthocladius (Orthocladius)	L	I	1	Ander + 3 2013		
Cricotopus/Orthocladius	L	III	4	Ferr et al 2008	mt indet dam	N
Cricotopus	L	-	5	Ander + 3 2013		N
Chironominae 06330000	L	-	5	Cranston 2013		
Micronsectra	L	-	5	Epler et al 2013		
Paratendipes	L	-I	6	"		
Polypedium (Triodonta) halderae group	L	-	5	Bolton 2012		
P. (Opsinedilum) flavum	L	I	1	"		
Tanytarsus	L	-	5	Epler et al 2013		N