

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> BEAR CREEK		<b>Waterbody ID Code</b> 1751000	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171116-10-03
<b>Sampling Location</b> ~ 15m US of bridge			<b>Database Key</b> 150694619
<b>SWIMS Station ID</b> 10038486		<b>SWIMS Station Name</b> BEAR CREEK AT SPENCER ROAD	
<b>Latitude</b> 44.755783	<b>Longitude</b> -90.5248	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> BLACK RIVER		<b>Watershed Name</b> CAWLEY AND ROCK CREEKS	<b>County</b> CLARK

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> <del>CAMILLE BRUHN</del> Myca, Heidi	<b>Project Name</b> WEST DISTRICT FOLLOW UP MONITORING FOR IMPAIRED
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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> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1.5	<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: Follow-up

<b>Water Temp. (C)</b> 30.7	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.3	<b>Average Stream Width of reach (m)</b> 1.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): 10  
 Sand: 5 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 5  
 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
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	N	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	PL	U
			Point Source - Specify:	N	U
<b>Physical</b>			Pasturing of Livestock	N	U
Bank Erosion	PL	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	U	U	Wetland	U	U
Turbidity	U	U	Other - Specify:		
Other - Specify:					

Comments *Sampled ~15m US of bridge in deep riffle area. Riparian buffers moderately wide with crops outside the buffers.*

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Grant Gayhardt</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>2/7/19</i>	Specimens Saved <i>Subsample archived in ABL cabinet Apr 2021</i>	

E2 184



Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenonema	L	I	1	Kluberantz 2016	imm	
Maccaffertium vicarium	L	II	2	"		
Leptophlebia	L	I	1	"	imm	
Cheumatopsyche	L	III	4	Hilsenhoff 1995		
Dibrosaphia minima	A	I	1	Hils, Schum. 1992		
Optiosestus	L	XI	11	"	imm	N
O-festiditus	L, IO A, 3	XIII	13	"		
Stenelmis	L	-I	6	"		N
S. crenata	A	II	2	"		
Atherix variegata	L	I	1	Hilsenhoff 1995		
Probezzia	L	I	1	"		
Nemerodromia	L	I	1	Condit, Merr 2008		
Neoplasia	L	I	1	"		
Antocha	L	II	2	Hilsenhoff 1995		
Coecidotea racovitzai racovitzai	A	II	2	Williams 1972		
Naididae	A	I	1	Ersev, Guit. 2002		
Tubificoid Naididae w/ capilliform chaetae	A	I	1	Ersev et al 2008	frag	Y
Tubificoid Naididae w/ capilliform chaetae	A	I	1	"	frag	Y
<del>Split by Chironomidae</del>	L	III				
Tanyptera ob270000	L	I	1	Cranston 2013	mt indet	N
Conchapelopia	L	I	1	Cran, Epler 2013		
Thienemannimyia group	L	I	1	"	imm	N
Orthocladius piger group	L	I	1	Ander + 3 2013		
Corynoneura	L	I	1	"		
Diplocladius	L	XII	12	"		
Parametriocnemus	L	D-III	29	"		
Thienemannella xera	L	I	1	Bolton 2012		
Trebena bavarrica group	L	-III	8	Bode 1983		
Orthocladius (Orthocladius)	L	II	2	Ander + 3 2013		
Cricotopus (Cricotopus) bicinctus group	L	I	1	"		
Chironominae ob330000	L	-II	7	Cranston 2013	mt indet	
Ciaodotanytarsus	L	-III	9	Epler et al 2013		
Micropsectra	L	II	2	"		
Paratanytarsus	L	III	3	"	mt indet	N
P-species A	L	-I	6	Hilsenhoff unpubl.		
P-species B	L	I	1	"		

