

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name SPRING BROOK		Waterbody ID Code 791300	Sample ID (YYYYMMDD-CY-FD) 20171017-54-01
Sampling Location			Database Key 150685660
SWIMS Station ID 10010968		SWIMS Station Name SPRING BROOK CREEK AT CARVERS ROCK BEND	
Latitude 42.60613	Longitude -88.827644	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER ROCK		Watershed Name TURTLE CREEK	County ROCK

Sample and Site Descriptors	
Sample Collector (Last Name, First) RACHEL SABRE	Project Name TURTLE 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) <u>1m</u>	Estimated Area Sampled (m ²) <u>1m²</u>	Number of Samples in Composite <u>1</u>	Replicate No. <u>1</u> of <u>1</u>
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Reason for Sampling

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

Water Temp. (C) <u>10.66</u>	D.O. (mg/l) <u>10.39</u>	D.O. (% sat.) <u>95.4</u>	pH (su) <u>7.69</u>	Conductivity (umhos/cm) <u>687.7</u>	Transparency (cm) <u>120</u>
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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 <u>—</u> circle units m/s or f/s	Average Stream Depth of reach (m) <u>0.2m</u>	Average Stream Width of reach (m) <u>4.5</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: 10
 Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 10% Canopy Cover at Sample Site (%) 30%

Spring Brook Creek @ Carvers Rock Bend
 Sample # 20171017-54-01
 Station # 10010968
 Rachel Sabre
 1 of 1

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			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Taylor Hartz</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>4-23-18</i>	Specimens Saved <i>Subsample archived in ABL until Jul 2021</i>	

E3 58
 02 83
 141

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	II	2	Kloiber et al 2016		
B. flavistriga species complex	L	XI	11	"		
Stenocranus	L	III	4	"	imm	N
S. interpunctatum	L	III	3	"		
Maccaffertium	L	I	1	"	imm	Y
M. vicarium	L	I	1	"		
Calopteryx	L	I	1	West, May 1996	imm	
Chaumatopsyche	L	0-II	27	Hilsenhoff 1995		
Ceratopsyche bronta	L	I	1	Schm. Kils. 1986		
Trichoptera	L	I	1	Cran., Daly 2008	imm	Y
Optioservus	L	-	5	Kils., Schm 1992	imm	N
O. fastiditus	L	X-III	19	"		
Nemerochromia	L	I	1	Court. Merr 2008		
Ephydriidae	L	III	3	"		
Antocha	L	I	1	Hilsenhoff 1995		
Neoplasta	L	I	1	Court. Merr 2008		
Gammarus pseudolimnaeus	A	D	20	Nelinger 1972		
Naididae	A	I	1	Ersev. Gust 2002		
tubificoid Naididae without hair chaetae	A	III	3	Ersev et al 2008		Y
tubificoid Naididae with hair chaetae	A	I	1	"		Y
Split Az chironomidae	L	XI-III				
Brillia	L	II	2	Ander. + S 2013	mt. indet / imm	N
B. flavifrons	L	II	2	Epler 2001		
Diplocladius	L	I	1	Ander. + S 2013		
Parakiefferella	L	I	1	"		
Synorthocladus	L	I	1	"		
Tuedenia bavaria group	L	II	2	Boch 1983		
Orthocladus	L	I	1	Ander. + S 2013	imm	
Cricotopus (Cricotopus) tremulus group	L	I	1	"		
Chironominae 08330000	L	I	1	Cranston 2013	dam	N
Cladotanytarsus	L	I	1	Epler et al 2013		
Paratanytarsus longistylus	L	X-III	18 + 7	"		
Paratendipes	L	III	3 2 1	"		
Polyperidion	L	I	1	"	mt. indet	Y
P. (P.) pedilum	L	I	1	"	imm	
Stictochironomus	L	I	1	"		