

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LITTLE TURTLE CREEK	Waterbody ID Code 791700	Sample ID (YYYYMMDD-CY-FD) 20171020-54-01
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Sampling Location	Database Key 150685690
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SWIMS Station ID 10010960	SWIMS Station Name LITTLE TURTLE CREEK - UPSTREAM HWY 67
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Latitude 42.5062709	Longitude -88.7966808	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER ROCK	Watershed Name TURTLE CREEK	County ROCK
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Sample and Site Descriptors

Sample Collector (Last Name, First) RACHEL SABRE	Project Name TURTLE 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) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 11.84	D.O. (mg/l) 7.51	D.O. (%sat.) 71.1	pH (su) 7.25	Conductivity (umhos/cm) 778.0	Transparency (cm) 72
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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)
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Measured Velocity — circle units m/s or f/s	Average Stream Depth of reach (m) 0.2m	Average Stream Width of reach (m) 4.7m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 10
 Sand: 10 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: 50
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 70% **Canopy Cover at Sample Site (%)** 80%

Little Turtle Creek @ US Hwy 67
 Sample # 20171020-54-01
 Station # 10010960
 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			
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>Sam Lamurche</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>66%</i>
Date Processed <i>4/25/18</i>	Specimens Saved <i>Subsample archived in ABL under Jul 2021</i>	

E3 A1 E2 B1 B3 (D2 C1 D3 E1) (B2 C2) A3 D1 A6 C3
9 16 8 17 16 47+31

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	-IIII	9	Kluwertanz 2016		
<i>Aeshna interrupta</i>	L	II	2	Need. et al 2000		
<i>Boyeria vindex</i>	L	-	5	"		
<i>Calopteryx</i>	L	I	1	West. May 1996		
<i>Cheumatopsyche</i>	L	II	2	Hilsenhoff 1995		
Limnephilidae	L	IIII	4	"	imm	N
<i>Platycentropus</i>	L	II	2	"	imm	
<i>Helophus striatus</i>	A	I	1	Hils., Schm 1992		
<i>Dubnaphia</i> L.I A.II	L/A	IIII	3	"	adults dem	N
<i>D. quadrinata</i>	A	IIII	23	"		
<i>D. vittata</i>	A	II	2	"		
<i>Entoservus fastidius</i>	L	-IIII ^{JJD}	8	"		
<i>Macronychus glabratus</i>	L	I	1	"		
<i>Liodessus affinis</i>	A	I	1	Hilsenhoff 1994		
<i>Neoplasta</i>	L	I	1	Court. Merr 2009		
Ephydriidae	P	XIII	13	Merr. Webb 2009		
Simuliid	P	I	1	Adler et al 2014		
Psychodidae	P	I	1	Merr. Webb 2009		
<i>Coryanura</i>	L	II	2+ ^{JJD}	Ander + 3 2013		
<i>Gammarus pseudolimnaeus</i>	A	Bx-III	58	Nolsinger 1972		
Caecidotea	A	I	1	Williams 1972	imm	
<i>Aquarius cernix</i>	A	I	1	Hilsenhoff 1996		
<i>Microvelia</i>	A	I	1	"	imm	N
<i>M. americana</i>	A	-I	6	"		
<i>Belostomatidae</i>	A	I	1	Hilsenhoff 1994a		
<i>Entomobryomorpha</i>	A	-	5	Christ. Snid. 2008		
tubificoid Naididae w/o hairs	A	II	2	Ersev et al 2008		Y
tubificoid Naididae w/ hairs	A	I	1	"		Y
<i>Ferrissia rivularis</i>	A	II	2	Buch 1982		
Physa	A	X-III	18	Brown 1991		
<i>Anuraemidae</i> 08250000	L	I	1	Cross. Daly 2008	dem	N
<i>Brillia</i>	L	I	1	Ander + 3 2013	imm	
<i>Limnephys</i>	L	I	1	"		
<i>Paraphaenocladus</i>	L	I	1	"		
<i>Microsectra</i>	L	I	1	"		
<i>Microtendipes pedellus</i> group	L	I	1	"		

