

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name TURTLE CREEK		Waterbody ID Code 790300	Sample ID (YYYYMMDD-CY-FD) 20171017-54-02
Sampling Location			Database Key 150685664
SWIMS Station ID 10010874		SWIMS Station Name TURTLE CREEK - TURTLE CREEK AT HEFTSTROM/O'RILEY RD	
Latitude 42.595818	Longitude -88.7906	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>
--	---	--	------------------------------------

Reason For Sampling

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

Water Temp. (C) <u>12.17</u>	D.O. (mg/l) <u>9.47</u>	D.O. (% sat.) <u>90.1</u>	pH (su) <u>7.58</u>	Conductivity (umhos/cm) <u>707.2</u>	Transparency (cm) <u>94</u>
---------------------------------	----------------------------	------------------------------	------------------------	---	--------------------------------

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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
---	---

Measured Velocity _____ circle units m/s or f/s	Average Stream Depth of reach (m) <u>0.6</u>	Average Stream Width of reach (m) <u>22m</u>
---	---	---

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10
 Sand: 10 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: 40
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20% Canopy Cover at Sample Site (%) 10%

Turtle Creek at O'Riley Rd
 Sample # 20171017-54-02
 Station # 10010874
 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			
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 Taylor Hasz	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4-25-18	Specimens Saved Subsample archived in ABC until Jul 2021	

C1: 89
 A2: 67
 134

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
^{1/2} <i>Taeniopteryx</i>	L	ii	2	Hilsenhoff 1995	imm	
<i>Baetis</i>	L	i	1	Klaertanz 2016	dem	
<i>Labidbaetis frontalis</i>	L	i	1	"		
<i>L. propeplus</i>	L	ii	2	"		
<i>Isaiaea anoka</i>	L	iii	3	"		
<i>Heptageniidae</i>	L	i	1	"	imm	N
<i>Stenonema</i>	L	ii	2	"	imm	
<i>Maccaffertium medipunctatum</i>	L	x	10	"		
<i>Heterina americana</i>	L	i	1	West, May 1996		
<i>Coenagrionidae</i>	L	i	1	"	imm	N
<i>Coenagrion/Enallagma</i>	L	ii	2	Schm upsb/	imm	
<i>Helicopsyche borealis</i>	L	i	1	Hilsenhoff 1995		
<i>Cheumatopsyche</i>	L	iiii	4	"		
<i>Hydropsyche cwanis</i>	L	iii	3	Schm Hils 1986		
<i>Ceratopsyche</i>	L	i	1	Hilsenhoff 1995	imm	N
<i>C. noreasa bifida form</i>	L	ii	2	Schmitts 1986		
<i>Hydroptila</i>	L	xii	12	Hilsenhoff 1995		
<i>Limnephilidae</i>	L	i	1	"	imm	N
<i>Pycnopsyche</i>	L	iiii	4	"		
<i>Dibicaphia minima</i>	A	i	1	Hils, Schm 1992		
<i>Antisericus</i>	L	ii	2	"	imm	
<i>Stenelmis crenata</i>	A	ii	2	"		
<i>Peltodytes edentulus</i>	A	i	1	Hils Briggs 1978		
<i>Nemerochromia</i>	L	ii	2	Covert Merr 2008		
<i>Simulium vittatum species complex 08110217</i>	L	iii	3	Adk et al 2004		
<i>Amoeba</i>	L	i	1	Hilsenhoff 1995		
<i>Cricotopus (Cricotopus)</i>	P	i	1	Coff et al 1986		
<i>Gammarus pseudolimnensis</i>	A	01	21	Holsinger 1972		
<i>Hyalella azteca</i>	A	0011	62	Saucek et al 2015		
<i>Neserocarcis semilucida</i>	A	i	1	Hilsenhoff 1984a		
<i>Ferrissia rivularis</i>	A	i	1	Burch 1982		
<i>Physa</i>	A	x	10	Brown 1991		
<i>Spiliza chiracimiche</i>	L	iii				
<i>Pentaneura inconspicua</i>	L	ii	2	Cran, Boker 2013		
<i>Brilica</i>	L	i	1	Anderf 3 2013	imm	
<i>Tretania discoloripes group</i>	L	i	1	Bode 1983		

<3 taxa, TVAL ≤ 2.0

