

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 792300	Sample ID (YYYYMMDD-CY-FD) 20171020-54-02
Sampling Location			Database Key 150685694
SWIMS Station ID 10010919	SWIMS Station Name UNNAMED TRIB TO TURTLE CREEK AT COUNTY LINE ROAD		
Latitude 42.56458	Longitude -88.7766	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>1 min</u>	Estimated Area Sampled (m ²) <u>1 m²</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>11.68</u>	D.O. (mg/l) <u>10.11</u>	D.O. (% sat.) <u>95.7</u>	pH (su) <u>7.89</u>	Conductivity (umhos/cm) <u>784.7</u>	Transparency (cm) <u>92</u>
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Water Color

Clear Turbid Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s) Moderate (0.15 m/s - 0.5 m/s) Fast (> 0.5 m/s)

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>3m</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 30
 Sand: 10 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: 20
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 30% Canopy Cover at Sample Site (%) 30%

Unnamed trib to Turtle Creek @ County Line
 Sample # 20171020-54-02
 Station # 10010919
 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 Kiersten Czarnocki	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 4/25/2018	Specimens Saved Subsample archived in ABL until Jul 2021	

#1 A1=137

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Hydropsychidae	L	11	2	Hilkenhoff 1985	imm	N
Chematosyche	L	8111	43	"		
Hydropsyche	L	-	5	"	imm	N
H. hettneri	L	x11	12	Schm, Hils. 1986		
Optoservus	L	811	32	Hils, Schm 1992	imm	N
D. fastidius	L, 2	A, # 2	4	"		
Stenelmis	L	A, 1 JJD	2	"	adult form	JJD
Nemeroctoma	L	11	2	Coats, Merr. 2008		
Neoplasia	L	11	2	"		
Antocha	L	1	1	Hilkenhoff 1985		
Cammarus pseudolimnaeus	A	1111	4	Walsinger 1972		
Naididae	A	1	1	Ersev, Cusler 2002		
tribicoid Naididae w/o hairs	A	1111	4	Ersev et al 2008		
Thienemannimyia group	L	1	1	Coat. Epler 2013	mt m det	
Tretania bavaria group	L	11	2	Bode 1983		
Cladotanytarsus	L	-1	6	Epler et al 2013		
Paratanytarsus sp. A	L	11	2	Hils unpubl		
Polypedium (Polypedium) illinoense group	L	1	1	Bolton 2012		
P. (Tripodura) scalanum group	L	1	1	"		
P. (Uresipedium) aviceps	L	-14	8	"		
Pneumatotarsus	L	1	1	Epler et al 2013		
Schizochironomus	L	1	1	"		