

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name TURTLE CREEK		Waterbody ID Code 790300	Sample ID (YYYYMMDD-CY-FD) 20171016-54-01
Sampling Location			Database Key 150685616
SWIMS Station ID 10016197		SWIMS Station Name TURTLE CREEK - 10 M UPSTREAM OF CTH J (SMITH RD)	
Latitude 42.583009	Longitude -88.9224312	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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
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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) 0.5 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) 11.27	D.O. (mg/l) 9.25	D.O. (% sat.) 86.2	pH (su) 7.61	Conductivity (umhos/cm) 670.9	Transparency (cm) 62
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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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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) 0.6 m	Average Stream Width of reach (m) 31 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 60
 Sand: 30 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

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

Turtle Creek - 10M US of CTH J
 Sample # 20171016-54-01
 Station # 10016197
 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>David Gagliardi</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 7%
Date Processed 4-21-2016	Specimens Saved <i>subsample archived in ABL under Jul 2021</i>	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	ii	2	Hilsenhoff 1995	imm	
Caenis anceps	L	iiii	4	Kluberhanz 2016		
Heptageniidae	L	i	1	"	dam	N
Maccaffertium	L	oiii	23	"	imm	N
M. medicopunctatum	L	x	10	"		
M. terminatum	L	-iii	10	"		
Anthopotamus myops	L	ii	2	"		
Isonychia	L	ii	2	"	imm	
Triaenobryodes	L	8	30	"		
Protophila	L	ii	2	Hilsenhoff 1995		
Cheumatopsyche	L	iii	3	"		
Hydropsyche curvica	L	iii	4	Schm., Hils. 1986		
Ceratopsyche	L	xii	12	Hilsenhoff 1995	imm	N
C. bronta	L	-	5	Schm., Hils. 1986		
C. morosa bifida form	L	iii	3	"		
Hydroptila	L	x	10	Hilsenhoff 1995		
Dubiraphia	L	i	1	Hils., Schm. 1992		
Stenelmis	L	iiii	4	"		N
S. musgravei	A	ii	2	"		
Nemerodromia	L	ii	2	Court, Merr. 2008		
Hydrobiidae NOT: P. antipodarum	A	i	1	Brown 1991		
Sphaerium	A	ii	2	Burch 1972		
Chironomidae split 43	L	iiii	DD			
Mecoptelia	L	i	1	van Epler 2013		
Taenemanniomyia group	L	i	1	"	imm	N
Tvetenia discoloripes group	L	iii	3	Bede 1983		
Chironominae 08330000	L	i	1	Cranshaw 2013	imm	
Clado tanytarsus	L	iiii	4	Epler et al 2013		
Micropsectra	L	ii	2	"		
Microtendipes pedellus group	L	-ii	7	"		
Paratanytarsus sp. d.	L	i	1	Hilsenhoff unpubl		
Polypedium (Polypedium) illinoense group	L	i	1	Bolton 2012		
P.(P.) lactum group	L	i	1	"		
P.(Uresipedilum) flavum	L	-ii	7	"		
Phoebotanytarsus	L	ii	2	Epler et al 2013		