

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name TURTLE CREEK	Waterbody ID Code 790300	Sample ID (YYYYMMDD-CY-FD) 20171016-65-03
Sampling Location		Database Key 150685620

SWIMS Station ID 10010976	SWIMS Station Name TURTLE CREEK - TURTLE CREEK AT CTH M WEST OF COMUS LAKE		
Latitude 42.63729	Longitude -88.655846	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 WALWORTH	

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) 1m	Estimated Area Sampled (m²) 1m 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) 13.49	D.O. (mg/l) 9.13	D.O. (%sat.) 89.6	pH (su) 7.65	Conductivity (umhos/cm) 610.7	Transparency (cm) 110
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Water Color <input checked="" 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) 0.5m	Average Stream Width of reach (m) 12
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 20
 Sand: 60 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 20
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 40% **Canopy Cover at Sample Site (%)** 20%

Turtle Creek CTH M west of Comus Lake
 Sample # 20171016-65-03
 Station # 10010976
 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 Camarache</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>4/23/18</i>	Specimens Saved <i>subsample archived in APL until Jul 2021</i>	

E1
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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
W/D <i>Caenis latipennis</i>	L	I	1	Kubertanz 2016		
<i>Heterania americana</i>	L	I	1	West, May 1996		
<i>Cheumatopsyche</i>	L	0-11	27	Hilsehoff 1985		
<i>Ceratopsyche morosa bifida form</i>	L	11	2	Schm., Hils, 1986		
<i>Stenelmis</i>	L	1111	4	Hils, Schm, 1992		
<i>Nemerodromia</i>	L	x111	13	Court, Meier 2008		
<i>Simulium vittatum</i> Species Complex 0810217	L	0	20	Adler et al 2004		
<i>Simulium</i>	P	I	1	"		N
<i>Dammanus pseudolimnæus</i>	A	11	2	Wolsinger 1972		
<i>Neopka striola</i>	A	I	1	Hilsehoff 1984a		
Whitford Naididae without hair chaetæ	A	1111	4	Ersev et al 2008		
<i>Physa</i>	A	I	1	Brown (99)		
<i>Sphaerium</i>	A	I	1	Burch 1972		
Chironomidae 0825000	L	I	1	Cran., Daly 2008	dam	N
Tanypterinae 0827000	L	I	1	Cranston 2013	imm	N
<i>Cochapeltia</i>	L	I	5	Cran, Epler 2013		
<i>Ablabesmyia</i> (<i>Ablabesmyia</i>)	L	I	1	"	imm	
<i>Tineremanniomyia</i> group	L	1111	4	"	mt indet imm	N
<i>Nanocladius</i> (<i>Nanocladius</i>)	L	I	1	Andr. + 3 2013	imm	N
<i>N. (N.) crassicornis</i> / cf. <i>rectinervis</i>	L	I	1	Epler 2001		
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>hirsutus</i> group	L	I	1	Andr. + 3 2013		
<i>Chironomus</i>	L	111	3	Epler et al 2013		
<i>Dicrotendipes</i>	L	I	1	"		
<i>Endochironomus subtidens</i>	L	I	5	Bolton 2012		
<i>Glyptotendipes</i>	L	01	21	Epler et al 2013		
<i>Microsectia</i>	L	I	1	"		
<i>Parachironomus</i>	L	I	1	"	imm	
<i>Paratanytarsus</i>	L	I	1	"	mt indet	
<i>Poaenosectra obediens</i> group	L	I	1	"		
<i>Polypedilum</i> (<i>Polypedilum</i>) <i>illinoense</i> group	L	111	3	Bolton 2012		
<i>P. (Tripedana) scaberrimum</i> group	L	111	3	"		
<i>P. (Uresipedilum) flavum</i>	L	-1	6	"		
<i>Rhoctanytarsus</i>	L	11	2	Epler et al 2013		

< 3 taxa, TUAL ≤ 2.0