

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name DARIEN CREEK		Waterbody ID Code 791800	Sample ID (YYYYMMDD-CY-FD) 20171024-65-01
Sampling Location			Database Key 150685702
SWIMS Station ID 10010901		SWIMS Station Name DARIEN CREEK - DARIEN RD	
Latitude 42.58018	Longitude -88.717224	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) <u>1min</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>
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Reason For Sampling

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

Water Temp. (C) <u>13.03</u>	D.O. (mg/l) <u>10.31</u>	D.O. (% sat.) <u>100.9</u>	pH (su) <u>8.93</u>	Conductivity (umhos/cm) <u>761.0</u>	Transparency (cm) <u>120</u>
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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 <u>—</u> circle units m/s or f/s	Average Stream Depth of reach (m) <u>0.1m</u>	Average Stream Width of reach (m) <u>3.4m</u>
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Composition of Substrate Sampled (Percent):

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

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

Darien Creek -Darien Rd
 Sample # 20171024-65-01
 Station # 10010901
 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>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>4/26/18</i>	Specimens Saved <i>Subsample archived in ABC until Jul 2025</i>	

A2 = 75
C2 = 53 *128*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Helicopsyche borealis</i>	L	1	1	Hilsenhoff 1995		
<i>Cheumatopsyche</i>	L	x	10	"		
<i>Hydropsyche betterii</i>	L	-11	8	Schm. Hils. 1986		
<i>Ceratopsyche</i>	L	1	1	Hilsenhoff 1995	imm	N
<i>C. bipuncta</i>	L	-1	6	Schm. Hils. 1986		
Limnephilidae	L	1	1	Hilsenhoff 1995	imm	
<i>Optipseus</i>	L	-1111	9	Hils. Schm. 1992	imm	N
<i>D. fastidius</i> L, 16 A, 3	LA	x-1111	19	"		
<i>Simulium Obairflatum</i>	L	1	1	Adler et al 2004		
<i>Antocha</i>	L	1	1	Hilsenhoff 1995		
<i>Dicranota</i>	L	11	2	"		
Tipula	L	1	1	"		
<i>Cricotopus (Cricotopus)</i>	P	1	1	Coiff. et al. 1986		N
<i>Gammarus pseudolimnoides</i>	A	x	10	Hiltinger 1972		
Spitidz Chironomidae	L	-1111				
<i>Podamesa olivacea</i>	L	1	1	Sud. Ander 2013a		
<i>Pneocricotopus</i>	L	11	2	Ander + 3 2013	imm	
<i>Thienemannella</i>	L	1	1	"	imm	
<i>Nanocladius</i>	L	1	1	"	imm	
<i>Orthocladius</i>	L	1	1	"		
<i>Cricotopus/Orthocladius</i>	L	1	1	Ferr. et al 2008	mt indet	
<i>Cricotopus (Cricotopus) tremulus group</i>	L	1	1	Ander + 3 2013		
Chironominae 0833000	L	11	2	Cranston 2013	mt indet/dam	N
<i>Chironomus</i>	L	1	1	Epler et al 2013		
<i>Cladotanytarsus</i>	L	1	1	"		
<i>Cryptochironomus</i>	L	1	1	"		
<i>Microsectra</i>	L	1	5	"		
<i>Microtendipes pedellus group</i>	L	111	3	"		
<i>Paratanytarsus</i>	L	1	1	"	mt indet	N
<i>P. sp. A</i>	L	1111	4	Hils unpubl		
<i>P. leucostilus</i>	L	111	3	Epler et al 2013		
<i>Paratendipes</i>	L	-11	7	"		
<i>Phaenosectra obediens group</i>	L	11	2	"		
<i>Polydillum (Polydillum) illinoense group</i>	L	111	3	Isoltson 2012		
<i>P. (P.) laetum group</i>	L	1	1	"		
<i>P. (Tropodura) scalanum group</i>	L	1	1	"		

