

**Instructions:** Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> DARIEN CREEK		<b>Waterbody ID Code</b> 791800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171016-65-02
<b>Sampling Location</b>			<b>Database Key</b> 150685640
<b>SWIMS Station ID</b> 10048186		<b>SWIMS Station Name</b> DARIEN CREEK AT NORTH RD	
<b>Latitude</b> 42.590739	<b>Longitude</b> -88.7615097	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> LOWER ROCK		<b>Watershed Name</b> TURTLE CREEK	<b>County</b> WALWORTH

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> RACHEL SABRE	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 0.5 m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 11.47	<b>D.O. (mg/l)</b> 8.44	<b>D.O. (%sat.)</b> 81.2	<b>pH (su)</b> 6.79	<b>Conductivity (umhos/cm)</b> 781.2	<b>Transparency (cm)</b> 83
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<b>Water Color</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> — circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.2	<b>Average Stream Width of reach (m)</b> 4.3 m
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**Composition of Substrate Sampled (Percent):**

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

**Embeddedness of Substrate at Sample Site (%)** 40% **Canopy Cover at Sample Site (%)** 70%

Darien Creek at North Rd  
 Sample # 20171016-65-02  
 Station # 10048186  
 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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
<b>Physical</b>				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 <i>Simon Gagliardi</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 100%
Date Processed 4/21/18	Specimens Saved Subsample archived in ABC until Jul 2021	

01  
 C1  
 A3  
 B2  
 B3  
 K3  
 D3  
 E3 (16)  
 A1 (2)  
 B1 (24)  
 A2 (24)  
 B2 (11)  
 102

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	iii	3	Kluehertanz 2016		
B. flavistriga species complex	L	i	1	"		
Maccaffertium terminatum	L	i	1	"		
Coenagrion/Enallagma	L	i	1	Schm unpubl	imm	
Cheumatopsyche	L	-	5	Hilsenhoff 1995		
Hydropsyche betteni	L	iiii	4	Schm. Idls 1986		
Ceratopsyche	L	i	1	Hilsenhoff 1995	imm	
Limnophilidae	L	i	1	"	imm	N
Pycnopsyche	L	i	1	"		
Gyrinus leoptei	A	i	1	Hilsenhoff 1990		
Liodessus affinis	A	i	1	Hilsenhoff 1994		
Nemerodromia	L	i	1	Court, Merr 2008		
Ephydriidae	L	iiii	4	"		
Simulium vittatum Species Complex 00110217	L	iiii	4	Adler et al 2004		
S. jenningsi species group	L	i	1	"		
Larsia	P	i	1	Ferr. et al. 2008		
Thienemannella	P	i	1	"		
Gammarus pseudolimnoides	A	oi	21	Hoblinger 1972		
Hyalella spinicauda	A	i	1	Soucek et al 2013		
Microvelia americana	A	i	1	Hilsenhoff 1986		
Physa	A	iii	3	Brown 1991		
Gyrulus deflectus	A	i	1	Burch 1982		
Brillia	L	ii	2	Ander + S 2013	imm	N
B. flavifrons	L	i	1	Epler 2001		
Limnophyes	L	iiii	4	Ander + S 2013		
Cricotopus	L	ii	2	ADP "		Y
C. (Cricotopus) bicinctus group	L	i	1	"		
Chironomus	L	iiii	4	Epler et al 2013		
Cladotanytarsus	L	i	1	"		
Microsectra	L	x-iiii	19	"		
Paratanytarsus	L	ii	2	"	nd ndet	N
P. sp. A	L	ii	2	Hils unpubl		
Prasinosectra obediens group	L	ii	2	Epler et al 2013		
Polypedilum (Polypedilum) illinoense group	L	iii	3	Bolton 2012		
P.(G.) flavum	L	i	1	"		
Rhytanytarsus	L	i	1	Epler et al 2013		

< 3 taxa, TUAL ≤ 2.0

