

Instructions: Bold fields must be completed.

Station Summary		
<b>Waterbody Name</b> UNNAMED	<b>Waterbody ID Code</b> 791600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171027-54-02
<b>Sampling Location</b>		<b>Database Key</b> 150685726

<b>SWIMS Station ID</b> 10010924	<b>SWIMS Station Name</b> UNNAMED CREEK AT MINKEY ROAD		
<b>Latitude</b> 42.5916	<b>Longitude</b> -88.80748	<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> ROCK	

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

<b>Total Sampling Time (min)</b> 1min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1m <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> 6.23	<b>D.O. (mg/l)</b> 12.17	<b>D.O. (% sat.)</b> 101.6	<b>pH (su)</b> 7.78	<b>Conductivity (umhos/cm)</b> 788.2	<b>Transparency (cm)</b> 94
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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)

<b>Measured Velocity</b> -	circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.2m	<b>Average Stream Width of reach (m)</b> 5m.
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 20  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: 50  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 30% **Canopy Cover at Sample Site (%)** 20%

Unnamed Creek @ Minkey Road  
 Sample # 20171027-54-02  
 Station # 10010924  
 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:			
				Pasturing of Livestock			
<b>Physical</b>				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 Taylor Hartz	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 4-30-18	Specimens Saved Subsample archived in ABL cabinet 5/1/2021	

CP: 133

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	ii	2	Riubertanz 2016		
<i>B. flavistriga</i> species complex	L	i	1	"		
<i>Cheumatopsyche</i>	L	-i	6	Hilsenhoff 1995		
<i>Hydropsyche</i>	L	iii	3	"		
<i>H. betteni</i>	L	x	10	Schm. Hils. 1986		
<i>Neophylax</i>	L	ii	2	Hilsenhoff 1995	imm	
<i>Dubiraphia quadrinata</i>	A	i	1	Hils., Schm. 1992		
<i>Optiosevus</i>	L	ii	2	"	imm	N
<i>O. fastiditus</i>	L	-i	6	"		
<i>Simulium vittatum</i> species complex 08110217	L	-ii	7	Alder et al 2004		
<i>Antocha</i>	L	i	1	Hilsenhoff 1995		
<i>Gammarus pseudolimnoides</i>	A	x/i	15	Holsinger 1972		
<i>Amysa</i>	A	ii	2	Brown 1991		
<del><i>Spilostiz chironomidae</i></del>	<del>L</del>	<del>iii - ii</del>				
<i>Chironomus</i>	L	i	1	Ander+3 2013		
<i>Orthocladius</i> 0830000	L	i	1	Cranston 2013	imm	N
<i>Parametriocnemus</i>	L	iii	3	Ander+3 2013		
<i>Rhacrotopus robacki</i>	L	i	1	Epler 2001		
<i>Thienemannella</i>	L	i	1	Ander+3 2013	dam	N
<i>Th. xena</i>	L	ii	2	Bolton 2012		
<i>Tvetenia bavaria</i> group	L	Ø-iii	38	Bode 1983		
<i>Orthocladius</i>	L	-iii	8	Ander+3 2013		
<i>Paratanytarsus</i>	L	2	1	Epler et al 2013	mt indet	y'
<i>P. longistilus</i>	L	-iii	8	"		
<i>Polypedilum (Polypedilum) illinoense</i> group	L	i	1	Bolton 2012		
<i>P. (Uresipedium) aviceps</i>	L	i	1	"		
<i>Rhacrotanytarsus</i>	L	ii	2	Epler et al 2013		
<i>Tanytarsus</i>	L	i	1	"		

<3 taxa, TVAL ≤ 2.0