

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

**Station Summary**

<b>Waterbody Name</b> PEBBLE BROOK	<b>Waterbody ID Code</b> 769500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181115-68-03
<b>Sampling Location</b>		<b>Database Key</b> 169406760

<b>SWIMS Station ID</b> 10009261	<b>SWIMS Station Name</b> PEBBLE BROOK 1 UPSTREAM OF CTH I
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<b>Latitude</b> 42.959698	<b>Longitude</b> -88.23654	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> FOX (IL)	<b>Watershed Name</b> MIDDLE FOX RIVER - ILLINOIS	<b>County</b> WAUKESHA
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> RACHEL SABRE	<b>Project Name</b> MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE
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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> 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: TWA Middle Fox

<b>Water Temp. (C)</b> 0.26	<b>D.O. (mg/l)</b> 10.94	<b>D.O. (% sat.)</b> 77.6	<b>pH (su)</b> 7.39	<b>Conductivity (umhos/cm)</b> 1406	<b>Transparency (cm)</b> 120
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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> 3.3m
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**Composition of Substrate Sampled (Percent):**

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

**Embeddedness of Substrate at Sample Site (%)** \_\_\_\_\_ **Canopy Cover at Sample Site (%)** 0%

**Pebble Brook @ Hwy I  
 Station #10009261  
 Sample 1 of 1  
 Rachel Sabre  
 20181115-68-03**

**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 <i>Sam Lamarche</i>	Taxonomist <i>Dimock Jeffrey</i>	Estimated Percent of Sample Sorted <i>40%</i>
Date Processed <i>4/26/19</i>	Specimens Saved <i>subsample archived in ABC until Jan 2022</i>	

*C1 C3 E1 E2 D1 A2  
 10 24 27 31 16 23*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Heptageniidae <del>Stenocranus</del>	L	I	1	Kids 2016	imm	
Calopteryx aequalis	L	I	1	west May 1996		
Cheumatopsyche	L	III	3	Kids 1995		
Hydroptila	L	II	7	"		
Limnephilidae	L	I	1	"	imm	N
Psephenidae	L	II	2	"		
Dubiraphra	L	II	2	Kids Schum 2012		
Nemerochroma	L	III	4	Court Merr 2008		
Simulium vittatum species complex 08110217	L	8xIII	58	Adl et al 2001		
Chrysope	L	I	1	Kids 1995		
Orthocladinae 08300001	P	I	1	Fer et al 2008		N
Gammarus pseudolimnoides	A	III	3	Hols 1972		
Coelocaris intermedia	A	I	1	Will 1972		
Tubificinae (without hairs)	A	I	1	Klemm 1985		
Fossarica	A	I	1	Brown 1991		
Physa	A	III	3	Thorp Reg 2016		
<del>Stimulax Chironomidae</del>	L	<del>III</del> - <del>III</del>				
Microtendipes pedellus group	L	II	2	Epl et al 2013		
Conchapelopia 08270700	L	I	1	Cran Epl 2013		
Orthocladinae 08300000	L	II	2	Cranston 2013	mt indet/imm	N
Corynephora	L	I	1	Adl + 3 2013		
Hydrobaenus	L	I	1	"		
Parakiefferiella	L	I	1	"		
Thienemannella xena	L	II	2	Bolton 2012		
Orthocladus (Orthocladus)	L	I	1	Adl + 3 2013		
Cricotopus (Cricotopus) bicinctus group	L	I	1	"		
Chironominae 08300000 <del>Warms complex</del>	L	I	1	Cranston 2013	imm	4
Chironomus	L	I	1	Epl et al 2013		
Cryptochironomus	L	III	3	"		
Microsectra	L	III	9	"		
Paratanytarsus	L	III	3	"	mt indet	N
P. species A	L	III	4	Kids unpubl.		
Paratendipes	L	I	1	Epl et al 2013		
Polypedium (Polypedium) illinoense group	L	II	2	Bolton 2012		
Rheotanytarsus	L	III	3	Epl et al 2013		
Stictochironomus	L	III	3	"		

&lt; 3 taxa, TVAL ≤ 2.0