

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> EAGLE CREEK	<b>Waterbody ID Code</b> 759500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20201006-68-01
<b>Sampling Location</b> US N River Rd.		<b>Database Key</b> 250470592

<b>SWIMS Station ID</b> 10008127	<b>SWIMS Station Name</b> EAGLE CREEK
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<b>Latitude</b> 42.72045	<b>Longitude</b> -88.220695	<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> RACINE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Watkinson, Arthur	<b>Project Name</b> MIDDLE ILLINOIS FOX RIVER TWA 2019 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> 6	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 3.5	<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

<b>Water Temp. (C)</b> 11.16	<b>D.O. (mg/l)</b> 8.04	<b>D.O. (% sat.)</b> 71.41	<b>pH (su)</b> ce. 8.0	<b>Conductivity (umhos/cm)</b> 1682	<b>Transparency (cm)</b> 70
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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 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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.3m	<b>Average Stream Width of reach (m)</b> 5.2m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 5 Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 95  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 30 **Canopy Cover at Sample Site (%)** 0

mostly vegetation grass  
dam of sticks clogging

20201006-68-01  
 Station # 10008127  
 Sample 1 of 1  
 Eagle Creek US N River Road  
 WBIC 759500  
 Arthur Watkinson  
 Middle IL Fox River TWA Sabre

**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 Logan Cutler	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 23.3%
Date Processed 12/4/2020	Specimens Saved 130 subsample archived in ABC until Jan 2024	

32 35 35 28  
 B1 B3 D1 C2Q14

3hrs  
 2hrs



Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis intercalaris	L	III	3	Kuhn 2016		
Callibaetis	L	II	2	Merrittum B 2019	imm	
Stenocranus	L	III	6	"	imm	
Calopteryx maculata	L	II	2	West May 2006		
Copestomatidae	L	III	4	Merrittum B 2019	imm	
Belostomatidae	A	II	2	Hils 1984a		
Neophaedusa	A	II	2	"		
Ranatra fusca	A	II	2	"		
Microvelia americana	A	III	3	Hils 1986		
Hydropsyche besteni	L	II	2	Schmitt Hils 1986		
Cheumatopsyche	L	II	2	Merrittum B 2019		
Lindesmus affinis	A	II	2	Hils 1984		
Dubiraphia	L	II	2	Merrittum B 2019		N
D. menziesi	A	-II	7	Hils Schum 1992		
Optiosevus	L	I	1	Merrittum B 2019	imm	N
O. fastiditus	L	I	1	Hils, Schum 1992		
Stenelmis	L	I	1	Merrittum B 2019		
Cyphon = Contacyphon	L	I	2	Hils 1995		
Procladius (Holtanypus)	P	I	1	Merrittum B 2019		
Cricotopus (Cricotopus)	P	I	1	Wieder 1986		
Paratanytarsus	P	I	1	Merrittum B 2019		
Hemerodromia	L	XII	12	"		
Ephydriidae	P	-III				
Diptera 0800200	P	-III	8	Merrittum B 2019		
Simulium vittatum species complex 0810217	L	III	4	Hol et al 2004		
Odontomyia	L	I	1	Merrittum B 2019		
Orthocladius 0830001	P	I	1	"	dam	N
Nyaletta wellborni	A	II-1	36	Sova et al 2015		
Paedicia	A	I	1	Thorp et al 2016	dam	
Dugesiiidae	A	I	1	"		
Ceratopogonidae	P	I	1	Merrittum B 2019		
Entomobryomorpha = Entomobryidae	A	I	1	"		
Pachyura	A	I	1	"		
Hydrobiidae not P. antipodarium	A	I	1	Thorp et al 1991		
Physa	A	I	1	Thorp et al 2016		
Pisidium	A	I	1	"		
Megadrili = Metagynophora	A	I	1	"		
Cyclopidae	A	II	2	"		

< 3 taxa. TVAL ≤ 2.0

