

Unn. Trib. to Tichigan @ NW Circle

Station # 10051268

Sample 1 of 1  
20181023-52-06

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Department of Natural Resources  
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Wadeable Macroinvertebrate  
Field Data Report

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Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 763800	Sample ID (YYYYMMDD-CY-FD) 20181023-52-06
Sampling Location		Database Key 169406796	
SWIMS Station ID 10051268		SWIMS Station Name UNNAMED TRIB TO TICHIGAN @ NW CIRCLE	
Latitude 42.8065056	Longitude -88.2744496	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) FOX (IL)		Watershed Name MIDDLE FOX RIVER - ILLINOIS	County RACINE
Sample and Site Descriptors			
Sample Collector (Last Name, First) RACHEL SABRE		Project Name MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE	
Sampling Device			
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 1m	Estimated Area Sampled (m <sup>2</sup> ) 1/2 m <sup>2</sup>	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: <u>TWA</u>			
Water Temp. (C) 10.17	D.O. (mg/l) 9.66	D.O. (% sat.) 83.4	pH (su) 7.36
Conductivity (umhos/cm) 999.3		Transparency (cm) 120	
Water Color		Estimated Stream Velocity (m/s)	
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained		<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)	
Measured Velocity _____ circle units _____ m/s or f/s	Average Stream Depth of reach (m) 0.1m	Average Stream Width of reach (m) 1.5m	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): <u>25</u>
Sand: <u>40</u>	Clay: _____	Silt/Muck: <u>5</u>	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: <u>10</u>	Coarse Woody Debris: <u>20</u>	Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>60%</u>		Canopy Cover at Sample Site (%) <u>80%</u>	

**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>Kiersten Czarnecki</i>	Taxonomist <i>Dimick, Jeffray</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>4/23/2019</i>	Specimens Saved <i>Subsample archived on ABL until Jul 2022</i>	

*C2:38 > 71 A3:33 > 70  
 A2:33 > 70 E1:37 > 70  
 141*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Optiosenus	L	-1	6	Hilsenrath 1992	imm	N
O. fastidiosus L.1 A.1	L,A	11	2	"		
Gammarus pseudolimnaeus	A	BBx11	132	Hols 1972		
Dugesiiidae	A	x	10	Thorp 1997 2016		
Megacricli = Metasynephora	A	1	1	"		
no Chironomidae larvae in grid subsample KAW						