

Tichigan Creek @ Marsh Road
 Station # 10041826
 Sample 1 of 1
 20181023-52-03
 Rachel Sabre

State of Wisconsin
 Department of Natural Resources
 PO Box 7291, Madison WI 5
 dnr.wi.gov

Wadeable Macroinvertebrate
 Field Data Report
 Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name TICHIGAN CREEK	Waterbody ID Code 763700	Sample ID (YYYYMMDD-CY-FD) 20181023-52-03
Sampling Location		Database Key 169406784

SWIMS Station ID 10041826	SWIMS Station Name TICHIGAN CREEK AT MARSH RD
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Latitude 42.8002571	Longitude -88.2427635	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) FOX (IL)	Watershed Name MIDDLE FOX RIVER - ILLINOIS	County RACINE
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Sample and Site Descriptors

Sample Collector (Last Name, First) RACHEL SABRE	Project Name 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

Total Sampling Time (min) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 10.09	D.O. (mg/l) 9.69	D.O. (% sat.) 88.1	pH (su) 6.49	Conductivity (umhos/cm) 867.9	Transparency (cm) 120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity _____ circle units _____ m/s or f/s	Average Stream Depth of reach (m) 0.3m	Average Stream Width of reach (m) 2m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: 20 Clay: _____ Silt/Muck: 5 Overhanging Vegetation: _____
 Aquatic Macrophytes: 75 Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** 10%

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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
Biological				Chemical			
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:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				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>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>66%</i>
Date Processed <i>4/20/19</i>	Specimens Saved <i>Subsample archived in ABZ until July 2022</i>	

BZ CZ DZ E3 A3 E2 A1 C3 C1 D3
 14 15 14 15 11 22 15 6 11 32 156 total

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	Klub 2016	dam	N
Callibaetis	L	I	1	"		
Labiobaetis frondalis	L	I	1	"		
Coenagrionidae	L	III	3	West May 1996	imm	
Oxyethra	L	-	5	Hils 1995		
Limnephilidae	L	II	2	"	imm	N
Limnophilus	L	I	1	"		
Platycentropus	L	I	6	"	imm	N
P. amicus	L	XVII	20	Wigg 1996		
Ephydriidae	L	I	1	Coat Mero 2008		
Gammarus pseudolimnaeus	A	-II	7	Hils 1972		
Crangonyx	A	III	4	"	fem	
Caecidotea intermedia	A	8011	62	Will 1972		
Hydrobates	A	II	2	Pluch 1984		
Sigara mathesoni	A	XI	11	Hils 1984a		
Trichocorixa sexcincta	A	I	1	"		
Zanatra fusca	A	I	1	"		
Cydonidae	A	I	1	Thorp Reg 2016		
Pedocopida	A	I	1	"		
Tubificinae (without hairs)	A	III	3	Klemm 1985		
Fossaria	A	III	4	Thorp Cov 1991		
Stagnicola	A	I	1	"		
Physa	A	XI	16	Thorp Reg 2016		
Gyraulus deflectus	A	-III	9	Burch 1989		
Pisidium	A	III	3	Burch 1972		
Split A3 Chironomidae	L	II - JVI				
Thienemannimyia group	L	I	1	Coan Epl 2013	imm	
Eukiefferella claripennis group	L	I	1	And + 3 2013		
Limnophyes	L	II	2	"		
Metriceremus eurypterus group	L	I	1	"		
Oicrotendipes	L	III	3	Epl et al 2013		
Micrasecula	L	II	2	"		
Microtendipes pedellus group	L	I	1	"		
Paratanytarsus sp. A	L	I	1	Hils unpubl		
Rheotanytarsus	L	I	1	Epl et al 2013		
Tanytarsus	L	I	1	"		