

North Branch of Genesee Creek @ Hwy D

Station # 10011530

Sample 1 of 1

20181023-68-11

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Department of Natural Res
PO Box 7291, Madison WI
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH BRANCH GENESEE CREEK	Waterbody ID Code 3000068	Sample ID (YYYYMMDD-CY-FD) 20181023-68-11
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Sampling Location	Database Key 169406756
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SWIMS Station ID 10011530	SWIMS Station Name NORTH BRANCH GENESEE CREEK AT CTH D
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Latitude 42.973984	Longitude -88.367004	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 WAUKESHA
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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

<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 type="checkbox"/> Riffle	<input checked="" 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) 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

<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: TWA

Water Temp. (C) 10.03	D.O. (mg/l) 9.4	D.O. (% sat.) 85.4	pH (su) 7.52	Conductivity (umhos/cm) 1178	Transparency (cm) 120 TWS 7542
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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 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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Measured Velocity _____ circle units m/s or f/s	Average Stream Depth of reach (m) 0.2m	Average Stream Width of reach (m) 2.4m
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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: 50	Clay: _____	Silt/Muck: 10	Overhanging Vegetation: 10
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 60% **Canopy Cover at Sample Site (%)** 70%

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
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		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Savanna Erickson</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>20</i>
Date Processed <i>4-24-19</i>	Specimens Saved <i>subsample archived in ABC until Jul 2022</i>	

B1 B3 A2
 53 39 44

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Amphinema</i>	L	II	2	Hols 1985	imm	
<i>Nemoura trispinosa</i>	L	I	1	"		
<i>Chironomus</i>	L	III	3	"		
<i>Baetis brunneicollis</i>	L	XIII	13	Klub 2016		
<i>Glossosoma intermedium</i>	L	I	1	WymMar 2000		
<i>Hydropsychidae</i>	L	I	1	Hols 1985	imm	N
<i>Cheumatopsyche</i>	L	III	4	"		
<i>Dipterona modesta</i>	L	XII	12	"		
<i>Lepidostoma</i>	L	III	4	"		
<i>Limnephilidae</i>	L	II	2	"	imm	
<i>Chironomus atterima</i>	L	I	1	Hols 1982		
<i>Oligostomis ocelligera</i>	L	I	1	Hols 1985		
<i>O. fastidius</i>	L	XIII	13	Hols Schum 1992	imm	N
<i>O. fastidius</i>	L	II	7	"		
<i>Hemerodromia</i>	L	I	1	Court Merr 2008		
<i>Ephydriidae</i>	P	I	1	Merr Webb 2008		
<i>Simulium vittatum</i> species complex DB110218	L	I	1	Adl et al 2004		
<i>Dixa</i>	L	III	3	Hols 1985		
<i>Dixa</i>	L	I	1	"		
<i>Diamesa</i>	P	I	1	Fer et al 2008		
<i>Gammarus pseudolimnaeus</i>	A	Bx1	51	Hols 1972		
<i>Dugesidae</i>	A	I	1	Thorp Reg 2016		
<i>Caecidotea</i>	A	II	2	Will 1972	imm	
<i>Tubificinae</i>	A	I	1	Braunfeld 1991	frag	
<i>Physa</i>	A	I	6	Thorp Reg 2016		
<i>Pisidium</i>	A	I	1	Burch 1972		
<i>Mesopelopia</i>	L	I	1	Cran Epl 2013		
<i>Thienemannella</i>	L	I	1	And + 3 2013	dam	N
<i>Th. xena</i>	L	I	1	Bolton 2012		
<i>Tvetenia bavarica</i> group	L	I	1	Bode 1983		
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	I	1	And + 3 2013		
<i>Paratanytarsus longistylus</i>	L	III	3	Epl et al 2013		
<i>Paratanytarsus</i>	L	I	1	"		
<i>Zootanytarsus</i>	L	I	1	"		

>3 taxa, TVAL ≤ 2.0

22 > (0.1 × 127)