

Genesee Creek -West Trib US of Hwy 83

Station # 683416

Sample 1 of 1

20181023-68-10

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State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI
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 SOUTH BRANCH GENESSEE RIVER	Waterbody ID Code 3000069	Sample ID (YYYYMMDD-CY-FD) 20181023-68-10
Sampling Location		Database Key 169406736

SWIMS Station ID 683416	SWIMS Station Name GENESSEE CREEK - WEST TRIB-UPSTREAM HWY 83
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Latitude 42.964973	Longitude -88.364494	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

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) 1m30	Estimated Area Sampled (m²) 1m 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) 10.01	D.O. (mg/l) 11.07	D.O. (% sat.) 100.4	pH (su) 7.73	Conductivity (umhos/cm) 830.5	Transparency (cm) 120 +05 536.7
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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) 0.1m	Average Stream Width of reach (m) 3m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 30
 Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 30 Leaf Snags: 10 Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 50% **Canopy Cover at Sample Site (%)** 20%

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>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>35%</i>
Date Processed <i>4/25/19</i>	Specimens Saved <i>Subsample archived in ABC until Jul 2022</i>	

A1 E1 C2 C1 B1
 46 14 26 32 68

186 total

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Isoneria	L	1	1	Hils 1995		
I. signata	L	xiiii	19	Hils 1982		
Taeniopteryx	L	11	2	Hils 1995	imm	
Baetis flavistriga species complex	L	1	1	Klob 2016		
Ephemerella	L	1	1	"	imm	N
E. subvaria	L	111	11	"		
Microsema rusticum	L	"	2	Hils 1985		
Helicopsyche borealis	L	xii	12	Hils 1995		
Cnemidopsycha	L	1	5	"		
Hydropsyche	L	1	1	"	imm	N
H. betteni	L	x	10	Schm Hils 1986		
Ceratopsyche branta	L	iii	3	"		
C. glossonae	L	1	1	"		
C. sparna	L	ii	2	"		
Platycentropus	L	ii	2	Hils 1995		
Chimarra	L	1	1	"	imm	N
Ch. aterrima	L	x	10	Hils 1982		
Nigroneta serricornis	L	(1	Meunier 1966		
Macronychus glabratus	L	ii	2	Hils Schm 1992		
Opiocercus	L	iiii	9	"	imm	N
O. fastiditus L, 20 A, 1	L/A	01	21	"		
Stenelmis	L	xiiii	14	"		N
S. crenata	A	ii	2	"		
Nemeroptera	L	iii	8	Gent Meir 2008		
Simulium venustum species complex	L	1	1	Adl et al 2004		
S. vittatum species complex 0810218	L	iii	3	"		
Simulium	P	ii	2	"		N
Antocha	L	1	1	Hils 1995		
Tvetenia	P	ii	2	Ferretal 2008		N
Gammarus pseudolimnoides	A	iii	3	Hils 1972		
Sperchonopsis	A	1	1	Pluch 1984		
Dugesidae	A	1	1	Thompson 2016		
Split 3 Chironomidae	L	1111				
Conchapelopia 08210700	L	1	1	Cran Epl 2013		
Brillia	L	1	1	And + 3 2013	mt in det	
Corynoneura	L	1	1	"		

> 3 taxa, TVAL < 2.0

37 > (0.1 x 177)

