

Genesee Creek 1 US of Old Village Rd.

Station # 10009296

Sample 1 of 1

20181023-68-09

Rachel Sabre

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**

<b>Waterbody Name</b> GENESEE CREEK	<b>Waterbody ID Code</b> 769800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181023-68-09
<b>Sampling Location</b>		<b>Database Key</b> 169406740

<b>SWIMS Station ID</b> 10009296	<b>SWIMS Station Name</b> GENESEE CREEK 1 UPSTREAM OF OLD VILLAGE ROAD
-------------------------------------	---

<b>Latitude</b> 42.95676	<b>Longitude</b> -88.35627	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
-----------------------------	-------------------------------	---	--

<b>Basin (WMU)</b> FOX (IL)	<b>Watershed Name</b> MIDDLE FOX RIVER - ILLINOIS	<b>County</b> WAUKESHA
--------------------------------	--	---------------------------

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> RACHEL SABRE	<b>Project Name</b> MIDDLE ILLINOIS FOX RIVER TWA 2018 SABRE
--	---

**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> 1m2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
---	--	--	------------------------------------

**Reason For Sampling**

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

<b>Water Temp. (C)</b> 9.20	<b>D.O. (mg/l)</b> 11.56	<b>D.O. (% sat.)</b> 102.9	<b>pH (su)</b> 8.08	<b>Conductivity (umhos/cm)</b> 965.8	<b>Transparency (cm)</b> 120
--------------------------------	-----------------------------	-------------------------------	------------------------	---	---------------------------------

**Water Color**

Clear     
  Turbid     
  Stained

**Estimated Stream Velocity (m/s)**

Slow (< 0.15 m/s)     
  Moderate (0.15 m/s - 0.5 m/s)     
  Fast (> 0.5 m/s)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.2m	<b>Average Stream Width of reach (m)</b> 6.4m
--	--	--

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40  
 Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: 10 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 40% **Canopy Cover at Sample Site (%)** 80%

**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:			
				Pasturing of Livestock			
<b>Physical</b>				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>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>4/24/18</i>	Specimens Saved <i>153 subsample archived in ABL into 1</i>	

*A2=55 B2=53*

*59c*

*Jul 2022*

*D2=45*

*153*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Perlodidae	L	I	1	Hils 1995	imm	N
1/8 Isoperla signata	L	-III	8	Hils 1982		
Taeniopteryx	L	II	2	Hils 1995	imm	
Baetis brunneicolor	L	III	4	KLW 2016		
B. flavistriga species complex	L	III	4	"		
Diphetera hageni	L	II	2	"		
Ephemerella	L	I	1	"	imm	N
2/6 E. subvaria	L	-III	8	"		
Maccaffertium	L	I	1	"	imm	
3/7 Glossosoma nigricorn	L	I	1	Wym/Mar 2000		
Helocopsyche borealis	L	I	1	Hils 1995		
Hydropsychidae	L	III	4	"	imm	N
Cheumatopsyche	L	X	10	"		
Hydropsyche	L	II	3	"	imm	
Ceratopsyche glossonae	L	I	1	Schm Hils 1986		
4/8 Lepidostoma	L	I	1	Hils 1995		
Pycnopsyche	L	I	1	"		
Chimarra	L	II	2	"	imm	N
Ch. aterrima	L	XV	15	Hils 1982		
Neophylex	L	III	3	Hils 1995	imm	
5/9 Nigronia serricornis	L	I	1	Nauznig 1966		
Atopsyche	L	XIII	14	Hils Schm 1992	imm	N
O. fastidius	L	III	4	"		
Staelmias	L	XIII	15	"		N
S. crenata	A	III	4	"		
Ectopsya	L	I	1	"	imm	
Hemerodromia	L	-II	8	Gout/Merr 2008		
Roederiodes	L	I	1	"		
Simulium vittatum species complex OB110218	L	II	2	Adl et al 2004		
S. jenningsi species complex	L	I	1	"		
Antocha	L	I	1	Hils 1995		
Dicranota	L	III	3	"		
Cammarus pseudolimnacus	A	I	1	Hils 1972		
Caecidotea intermedia	A	I	1	Will 1972		
Dugesidae	A	I	1	Thorp/Doag 2016		
Naidinae	A	-II	7	Brin Geld 1991		
Tubificinae (without hairs)	A	II	2	Klemm 1985		

>3 taxa, TVAL ≤ 2.0

22 > (0.1 x 151)

