

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name North Fork Eau Claire River **Waterbody ID Code** 2145400 **Sample ID (YYYYMMDD-CY-FD)** 20181022-61-02

Sampling Location DS bridge ~15m **Database Key** 169406485

SWIMS Station ID 10051679 **SWIMS Station Name** NORTH FORK EAU CLAIRE RIVER AT 8TH AVE

Latitude **Longitude** **Lat/Long Determination Method (circle)** **Datum Used if using GPS**
 SWIMS SWDV GPS WGS84 or NAD83

Basin (WMU) **Watershed Name** **County** Taylor

Sample and Site Descriptors

Sample Collector (Last Name, First) CHRISTOPHER J WILLGER, MYCAL C RAI **Project Name** MACROINVERTEBRATE SPATIAL ANALYSIS

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) 15 **Estimated Area Sampled (m²)** 1 **Number of Samples in Composite** 1 **Replicate No.** 1 of 1

Reason For Sampling

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

Water Temp. (C) 4.9 **D.O. (mg/l)** 12.26 **D.O. (% sat.)** 95.9 **pH (su)** 7.86 **Conductivity (umhos/cm)** 134.7 **Transparency (cm)** >100.0

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)

Measured Velocity circle units **Average Stream Depth of reach (m)** 0.15 **Average Stream Width of reach (m)** 4
 m/s or f/s

Composition of Substrate Sampled (Percent):

Bedrock: _____ **Boulders (basketball or larger):** _____ **Rubble (tennisball to basketball):** 80 **Gravel (ladybug to tennisball):** 10

Sand: 10 **Clay:** _____ **Silt/Muck:** _____ **Overhanging Vegetation:** _____

Aquatic Macrophytes: _____ **Leaf Snags:** _____ **Coarse Woody Debris:** _____ **Other ()::** _____

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 0

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		U	U	Chlorine			
- Filamentous Algae		U	U	Dissolved Oxygen			
- Planktonic Algae		U	U	Nutrients (P, N...)			
Iron Bacteria		U	U	Toxics: - Inorganic (Metals)			
Macrophytes		U	U	- Organic (PCBs, pesticides...)			
Slimes		U	U	Other - Specify:			
Other - Specify:		U	U	Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical							
Bank Erosion		N	U	Runoff: - Barnyard			
Channelization: - Upstream		N	N	- Construction			
- Downstream		N	N	- Cropland			
Hydraulic Scour / Channel Incision		N	N	- Urban			
Impoundment: - Upstream		N	N	Septic Systems			
- Downstream		N	N	Tile Drainage - Organic Soils			
Low Flow		U	U	- Mineral Soils			
Sedimentation		U	U	Springs			
Sludge		U	U	Tributary(s)			
Thermal		U	U	Wetland			
Turbidity		U	U	Other - Specify:			
Other - Specify:							

Comments

Initial sample 20 20181022-61-02a

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 6/20/19	Specimens Saved 31 + 50 + 31 + 59 = 171	

C3 B2 D2 C1 Total
 subsample archived in AB2 entol Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocapnia</i>	L	5-1	36	Hils 1995		
<i>Paracapnia angulata</i>	L	11	3	Hils 1974		
<i>Tenopteryx</i>	L	11	3	Hils 1995	imm	
<i>Baetis flavistriga</i> species complex	L	1	1	Klob 2016		
<i>Acerpenna pygmaea</i>	L	1111	9	"		
Heptageniidae	L	111	5	"	imm	N
<i>Stenacron</i>	L	11	7	"	imm	
<i>Stenonema femoratum</i>	L	11	2	"		
<i>Maccaffertium vicarium</i>	L	1	1	"		
Leptophlebiidae	L	11	2	"	imm	N
<i>Leptophlebia</i>	L	51	31	"	imm	
<i>Cheumatopsyche</i>	L	0-111	29	Hils 1995		
<i>Optioservus</i>	L	11	2	Hils Schum 1992	imm	
<i>Stenelmis</i>	L	1	6	"		N
<i>S. crenata</i>	A	1	1	"		
<i>Alluaudomyia</i>	L	1	1	Hils 1995		
<i>Dicranota</i>	L	1	6	"		
<i>Cricotopus (Cricotopus)</i>	A	11	2	Coff et al 1986		
<i>Hygrobatas</i>	A	1	1	Pluch 1984		
Naidinae	A	1	1	Brinkled 1991		
Pisidiidae	A	1	1	Thorp Rog 2016	imm	
split Az Chironomidae	L	01-111				
<i>Microtendipes pedellus</i> group	L	1	1	Epl et al 2013		
<i>Stictochironomus</i>	L	1	1	"		
<i>Conchapelopia</i> 08270700	L	11	2	Cran Epl 2013		
<i>Natarsia baltimora</i>	L	1	1	Eper 2001		
<i>Thienemannimyia</i> group	L	1	1	Cran Epl 2013	imm	N
<i>Chaetocladius</i>	L	11	2	And + 3 2013	imm	
Limnophyes	L	11	2	"		
<i>Orthocladius (Orthocladius) oliveri</i>	L	111	4	Bolton 2012		
<i>Cricotopus (Isocladius) absurdus</i>	L	1	1	"		
Chironominae 08330000	L	1	1	Cranston 2013	not indet	Y
<i>Chironomus</i>	L	1	1	Epl et al 2013		
<i>Cladotanytarsus</i>	L	11	2	"		
<i>Polypedilum (Vresipedilum) flavum</i>	L	111	4	Bolton 2012		