

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH FORK EAU CLAIRE RIVER		Waterbody ID Code 2145400	Sample ID (YYYYMMDD-CY-FD) 20181023-18-12
Sampling Location US bridge ~20m			Database Key 169406497
SWIMS Station ID 183064	SWIMS Station Name NORTH FORK EAU CLAIRE RIVER AT CHANNEY RD		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name NORTH FORK EAU CLAIRE RIVER	County EAU CLAIRE

Sample and Site Descriptors

Sample Collector (Last Name, First) CHRISTOPHER J WILLGER, MYCAL C RALEIGH	Project Name MACROINVERTEBRATE SPATIAL ANALYSIS
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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	Estimated Area Sampled (m²) 1	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: _____

Water Temp. (C) 6.6	D.O. (mg/l) 11.91	D.O. (% sat.) 77.2	pH (su) 7.78	Conductivity (umhos/cm) 149.7	Transparency (cm) 7/20
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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) 1	Average Stream Width of reach (m) 15m
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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 (%): 0 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	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	N	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	N	U	- Construction	N	U
- Downstream	N	U	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	N	U
Sludge	N	U	Tributary(s)	N	U
Thermal	N	U	Wetland	N	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 6/24/19	Specimens Saved 60 + 70 = 130	

E2/02 D3/A1 Total
 Subsample archived in ABC under Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocaenia</i>	L	i	1	Hils 1995		
<i>Perlodidae</i> <i>Perlodidae</i>	L	i	1	"	imm	N
<i>Isoperla signata</i>	L	-	5	Hils 1992		
<i>Taeniopteryx</i>	L	i	1	Hils 1995	imm	N
<i>T. burksi</i>	L	iii	3	Foll Stew 1980		
<i>Acroneura pygmaea</i>	L	i	1	Kub 2016		
<i>caenis latipennis</i>	L	i	1	"		
<i>Ephemerella subvaria</i>	L	i	1	"		
<i>Eurylophella</i>	L	ii	2	"	imm	
<i>Stenocranus</i>	L	i	1	"	imm	
<i>Leucocrota</i>	L	iiii	4	"		
<i>Maccaffertium</i>	L	-i	6	"	imm	n=1,4
<i>M. medropunctatum</i>	L	-iiii	9	"		
<i>M. modestum</i>	L	-iiii	9	"		
<i>Zentophlebiidae</i>	L	i	1	"	dam	N
<i>Paraleptophlebia</i>	L	iii	3	"	imm	
<i>Isonychia</i>	L	i	1	"	imm	
<i>Chumatopsyche</i>	L	ii	2	Hils 1995		
<i>Ceratopsyche</i>	L	i	1	"	imm	N
<i>C. branta</i>	L	iii	3	Schm Hils 1986		
<i>C. walkeri</i>	L	iii	3	"		
<i>Leucotrichia pictipes</i>	L	i	1	Hils 1995		
<i>Deceis avara</i>	L	i	1	Floyd 1995		
<i>Chimarra</i>	L	i	1	Hils 1995	imm	
<i>Opiroservus</i>	L	x-ii	17	Hils Schm 1992	imm	N
<i>O. fastidiosus</i>	L	iii	4	"		
<i>O. trivittatus</i> L, 16 A, 1	L, A	x-ii	17	"		
<i>Stenelmis</i>	L	-	5	"		
<i>Atherix variegata</i>	L	i	1	Hils 1995		
<i>Orthocladius (Orthocladius)</i>	P	i	1	Cooper et al 1986		
<i>Naicinae</i>	A	i	1	Birn Geld 1995		
<i>Pisidium</i>	A	i	1	Mackie 2007		
<i>Spitzya Chironomidae</i>	L	x-ii	17			
<i>cardiocladius obscurus</i>	L	iiii	4	Epler 2001		
<i>Orthocladius</i>	L	i	1	And+3 2013		N
<i>O. (Evothocladius) rivicola</i>	L	i	1	Epler 2001		

