

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAU CLAIRE RIVER	Waterbody ID Code 1437600	Sample ID (YYYYMMDD-CY-FD) 20171018-37-01
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Sampling Location 25m DS of CTH Z bridge	Database Key 149819258
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SWIMS Station ID 10028972	SWIMS Station Name EAU CLAIRE RIVER AT CTH Z
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) CENTRAL WISCONSIN	Watershed Name LOWER EAU CLAIRE (MARATHON CO.) RIVER	County MARATHON
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Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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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) 30 sec / 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

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

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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 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) .2	Average Stream Width of reach (m) 110 ft
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 40 Rubble (tennisball to basketball): 40 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 (%) 20 **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:				U	Sources of Stream Impacts				
					Bank Erosion			U	U
					Point Source - Specify:			U	U
					Pasturing of Livestock			U	U
Physical					Runoff: - Barnyard			U	U
Bank Erosion			N	U	- Construction			U	U
Channelization: - Upstream			U	U	- Cropland			U	PL
- Downstream			U	U	- Urban			U	U
Hydraulic Scour / Channel Incision			N	U	Septic Systems			U	U
Impoundment: - Upstream			N	U	- Tile Drainage - Organic Soils			U	U
- Downstream			U	U	- Mineral Soils			U	U
Low Flow			N	U	Springs			U	U
Sedimentation			N	U	Tributary(s)			U	U
Sludge			U	U	Wetland			U	U
Thermal			N	U	Other - Specify:				
Turbidity			N	U					
Other - Specify:									

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Sam Lamarche	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 70
Date Processed 11/1/18	Specimens Saved Subsample archived in ABC until Jan 2022	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocepnia</i>	L	i	1	Hils 1995		
<i>Paragnetina media</i>	L	iii	3	"		
Perleddidae	L	ii	2	"	imm	
<i>Taeniopteryx huxleyi</i>	L	ii	2	Full Stew 1980		
<i>Tetragonopsis deficiens</i>	L	ii	2	Klub 2016		
<i>Machaereterium</i>	L	ii	2	"	imm	N
<i>M. modestum</i>	L	i	1	"		
<i>M. vicarium</i>	L	i	1	"		
<i>Paraleptophlebia mollis</i>	L	i	1	"		
<i>Isonychia</i>	L	iiii	4	"	imm	
Campidae	L	ii	2	Need et al 2000	imm	N
<i>Ophlogomphus</i>	L	i	1	"	imm	
<i>Glossosoma intermedium</i>	L	i	1	Wym Mar 2000		
<i>Ceratopsyche</i>	L	ii	2	Hils 1995		
<i>C. alternans</i>	L	i	1	Schum Hils 1966	imm	N
<i>C. brenta</i>	L	-	5	"		
<i>C. morosa</i>	L	xi	11	"	imm	N
<i>C. m. b. fida form</i>	L	i	1	"		
<i>C. m. morosa form</i>	L	ii	2	"		
<i>Chimarra</i>	L	ii	2	Hils 1995	imm	
<i>Nigronia serricornis</i>	L	i	1	Neim 1966		
<i>Optiservus</i>	L	i	1	Hils Schum 1992	imm	N
<i>O. trivittatus</i>	L	-i	6	"		
<i>Stenelmis</i>	L	i	1	"		
<i>Nemerodromia</i>	L	xii	13	Court Merr 2008		
<i>Simulium jenningsi species group</i>	L	i	1	Adl et al 2004		
<i>Ferrissia niwariis</i>	A	-	5	Thorp PDS 2016		
<i>Pisidium</i>	A	i	1	Buch 1972		
Split A3 Chironomidae	L	iiiiiii				
<i>Chironomidae</i> 08250000	L	i	1	Court Merr 2008	dam	N
<i>Rhacoleptis</i>	L	i	1	Cran EPI 2013		
<i>Orthocladinae</i> 08300000	L	i	1	Cranston 2013	imm	N
<i>Beilina flavifrons</i>	L	i	1	Epler 2001		
<i>Cardiocladius obscurus</i>	L	i	1	"		
<i>Synanthrocladius</i>	L	ii	2	Anderson 2013		

