

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name EAU CLAIRE RIVER		Waterbody ID Code 1437600	Sample ID (YYYYMMDD-CY-FD) 20191113-37-01
Sampling Location 15m Downstream of CTH Z Bridge			Database Key 213860791
SWIMS Station ID 10028972		SWIMS Station Name EAU CLAIRE RIVER AT CTH Z	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) CENTRAL WISCONSIN		Watershed Name LOWER EAU CLAIRE (MARATHON CO.) RIVE	County MARATHON

Sample and Site Descriptors	
Sample Collector (Last Name, First) MYCAL C RALEIGH, TAYLOR M HASZ	Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAM

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) 3	Estimated Area Sampled (m²) 3	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) -0.22	D.O. (mg/l) 15.59	D.O. (% sat.) 106.0	pH (su) 8.34	Conductivity (umhos/cm) 347	Transparency (cm)
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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 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 m	Average Stream Width of reach (m) 45
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 60
 Sand: 20 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			Factors that may be influencing Water Resource Integrity		
Local	Water-shed		Local	Water-shed	
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	U	Chlorine	N	U
- Filamentous Algae	N	U	Dissolved Oxygen	N	U
- Planktonic Algae	N	U	Nutrients (P, N...)	N	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	N	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	N	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	U
Physical			Pasturing of Livestock	N	PL
Bank Erosion	PL	PL	Runoff: - Barnyard	N	PL
Channelization: - Upstream	N	N	- Construction	N	U
- Downstream	N	N	- Cropland	PL	PL
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	N	Septic Systems	N	U
- Downstream	PL	PL	Tile Drainage - Organic Soils	N	U
Low Flow	N	U	- Mineral Soils	N	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 Sampled 15m DS of CHZ bridge. River was almost completely iced over except a small area of a run near the bridge. slushy ice covered much of the river bottom making sampling difficult.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Coash, Natalie	Taxonomist	Dimick, Jeffrey	Estimated Percent of Sample Sorted	18.75
Date Processed	10/20/2020	Specimens Saved	Subsample archived in ABL until Dec 2023		

E3-35

C3-48

= (147)

A2-64

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Eurylophella	L	II	2	Merrillum B 2019	imm	
Tetoganopsis deficiens	L	III	3	"		
Epeorus vitreus	L	II	2	Kleb 2016		
Leucrocota	L	III	3	Merrillum B 2019		
Maccaffertium	L	III	7	Kleb 2016	imm	Y
M. vicarium	L	III	3	"		
Isonychia	L	II	2	Merrillum B 2019		
Paraleptophlebia	L	I	6	Kleb 2016	imm	N
P. mollis	L	II	2	"		
Gomphidae	L	III	4	Merrillum B 2019	imm	
Allocaonia	L	II	2	"		
Taeniopteryx burksi	L	II	2	Full Stew 1980		
Sigara alternata	A	I	1	Hils 1981a		
Glossosoma intermedium	L	II	2	Wym Mar 2000		
Protaptia	L	II	2	Merrillum B 2019		
Ceratopsyche	L	III	8	Hils 1995	imm	N
C. alternans	L	I	1	Schm Hils 1986		
C. bonta	L	II	2	"		
C. morosa bifida form	L	I	1	"		
Cnemidopyche	L	III	3	Merrillum B 2019		
Leucotrichia proctipes	L	II	2	Hils 1995		
Setodes	L	III	5	Merrillum B 2019	imm	
Molania	L	II	2	"	imm	
Psychomyia flavida	L	III	3	Hils 1995		
Nigronia serricornis	L	I	1	Neunzig 1966		
Optiosevus	L	III	7	Merrillum B 2019	imm	N
O. trivittatus	L	X	10	Hils Schm 1992		
Stenelmis	L	III	4	Merrillum B 2019		N
S. crenata	A	II	2	Hils Schm 1992		
Psephenus henricki	L	III	3	"		
Atherix variegata	L	II	2	Hils 1995		
Bezzia/Palpermyia	L	I	1	"		
Hemerodromia	L	XI	11	Merrillum B 2019		
Antocha	L	III	3	"		
Pseudolimnephila	L	I	1	"		
Naididae Naidinae	A	I	1	Kath Brin 1998		
Split A2 Chironomidae	L	III	11			

