

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name EAU CLAIRE RIVER		Waterbody ID Code 1437600		Sample ID (YYYYMMDD-CY-FD) 20161004-37-01	
Sampling Location 35m DS bridge				Database Key 133642272	
SWIMS Station ID 10028972		SWIMS Station Name EAU CLAIRE RIVER AT CTH Z			
Latitude 44.987892	Longitude -89.361275	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.) RIVER		County MARATHON	
Sample and Site Descriptors					
Sample Collector (Last Name, First) Raleigh Mycal			Project Name WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS		
Sampling Device					
<input checked="" type="checkbox"/> Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman	
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	
Habitat Sampled					
<input type="checkbox"/> Riffle		<input checked="" type="checkbox"/> Run		<input type="checkbox"/> Pool	
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat	
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland	
Total Sampling Time (min) 3 min	Estimated Area Sampled (m²) 3 m ²		Number of Samples in Composite 1		Replicate No. 1 of 1
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input type="checkbox"/> Other: _____	
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)		
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained			<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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) .4 m		Average Stream Width of reach (m) 20 m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 10%	Rubble (tennisball to basketball): 50%	Gravel (ladybug to tennisball): 40%	
Sand: _____		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		Chlorine			
- Filamentous Algae		N		Dissolved Oxygen			
- Planktonic Algae		N		Nutrients (P, N...)			
Iron Bacteria		N		Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		N	
				Point Source - Specify:		N	
				Pasturing of Livestock		N	
				Runoff: - Barnyard		N	
				- Construction		N	
				- Cropland		N	
				- Urban		N	
				Septic Systems		N	
				Tile Drainage - Organic Soils		N	
				- Mineral Soils		N	
Bank Erosion		N		Springs			
Channelization: - Upstream		N		Tributary(s)			
- Downstream		N		Wetland			
Hydraulic Scour / Channel Incision		N		Other - Specify:			
Impoundment: - Upstream		N					
- Downstream		N					
Low Flow		U					
Sedimentation		N					
Sludge		N					
Thermal							
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Taylor H52	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 7-7-17	Specimens Saved Subsample archived in ABC until NOV 2020	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina media</i>	L	"	2	Hilsenhoff 1995		
<i>Taeniopteryx</i>	L	-	7	"	imm	
<i>Acentrella</i> and <i>furbida</i>	L	-	5	Klüber-tanz 2016		
<i>Tetogonopsis deficiens</i>	L	I	1	"		
<i>Hydroptilidae</i> <i>Leucocrota/Nixe</i>	L	-	5	"	dam	Y
<i>Maccaffertium</i>	L	I	1	"	imm	
<i>Paraleptanthebia</i>	L	I	1	"	imm	
<i>P. mollis</i>	L	I	1	"		
<i>Isonychia</i>	L	x	10	"	imm	N
<i>I. rufa</i>	L	I	1	"		
Gemphidae	L	x	14	Need. et al 2000	imm	
<i>Protophila</i>	L	I	?	Hilsenhoff 1995		
<i>Helicopsyche borealis</i>	L	I	1	"		
<i>Cheumatopsyche</i>	L		3	"		
<i>Ceratopsyche</i>	L	x	12	"	imm	N
<i>C. brenta</i>	L	-	7	Schm. Hils. 1986		
<i>C. macosa</i>	L	-	7	"		
<i>C. m. bifida</i> form	L		2	"		
<i>C. m. macosa</i> form	L		3	"		
<i>Leucotrichia pictipes</i>	L		2	Hilsenhoff 1995		
<i>Chimarra socia</i>	L	I	1	Hilsenhoff 1982		
<i>Psychomyia flava</i>	L	-	9	Hilsenhoff 1995		
<i>Optipsectus</i>	L	x-	15	Hils., Schm. 1992	imm	N
<i>O. trivittatus</i> L, 10 A, 7	L, A	x-	17	"		
<i>Stenelmis</i>	L		2	"		
<i>Psephenus herricki</i>	L	-	9	"		
<i>Atherix variegata</i>	L	I	1	Hilsenhoff 1995		
<i>Nemeroptomyia</i>	L		2	Court, Merr. 2008		
<i>Pseudolimnophila</i>	L	I	1	Hilsenhoff 1995		
<i>Tubificinae</i> w/o capilliform chaetae	A	I	1	Klemm 1985		
<i>Ferrissia rivularis</i>	A	-	5	Burch 1982		
<i>Pisidium</i>	A	-	5	Burch 1972		
<i>Sphaerium</i>	A	-	7	"		
Split to Chironomidae	L	-				
<i>Theremanniella</i>	P	I	1	Ferr et al 2008		
<i>Cardiocladius obscurus</i>	L		2	Epler 2001		

