State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
EAU CLAIRE RIVER	1437600	20201119 - 37-01

Sampling Location: Sampled 10m us of Bridge in Riffle/log Jam

Database Key: 254030017

SWIMS Station ID	**SWIMS Station Name**
10028972	EAU CLAIRE RIVER AT CTH Z

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

Basin (WMU)	**Watershed Name**	**County**
CENTRAL WISCONSIN	LOWER EAU CLAIRE (MARATHON CO.) RIVE	MARATHON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
KURT RASMUSSEN, ANDREW J SCHNEYEI	WCR LONG-TERM TREND WADEABLE REFERENCE STREAM

Sampling Device

- [x] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [x] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** / **of**
1	1	1	1 / 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
0.82	12.28	84.0	7.44	159	

Water Color

- [ ] Clear
- [ ] Turbid
- [x] Stained (lightly)

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [x] Fast (> 0.5 m/s)

Measured Velocity (circle units m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	.5	25m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 10

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

Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

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

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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
Biological		
Algae: - Diatoms / Periphyton	PL	PL
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	PL	PL
Slimes	U	N
Other - Specify:	U	N
Physical		
Bank Erosion	PL	PL
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	N	N
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:	N	N

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	U	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Mineral Soils	N	N
Springs	U	U
Tributary(s)	U	U
Wetland	U	U
Other - Specify:	U	N

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Selina Walters	Dimick, Jeffrey	6.25%
Date Processed	**Specimens Saved**	
1/25/2022	125 Subsample archived in HBL until Mar 2025	

B4
Q3: 30
Q4
Q1
Q2

B2
Q1: 27
Q2
Q3
Q4

B4 Q4, 1 B2 Q2
9 8 11 10
11 5 5 9

Wisconsin Department of Natural Resources
ABL SampleNum: **20201119-37-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Eau Claire River**
SWIMS Database Key: **254030017**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetisca laurentina	L	I	1	Kluh 2016		
Leptophlebiidae	L	I	1	MCB 2019	dam	
Allocapnia	L	IIII	4	"		
Oemopteryx glacialis	L	II	2	Wils 1995		
Taeniopteryx nivalis	L	III	3	Fell Stew 1980		
Ceratopsyche alternans	L	I	1	Schm Wils 1986		
C. bronta	L	I	1	"		
C. morosa morosa form	L	I	1	"		
Chevmatopsyche	L	II	2	MCB 2019		
Setodes	L	III	3	"	imm	
Limnephilidae	L	I	1	"	imm	
Psychomyia flavida	L	I	1	Wils 1995		
Neophylax	L	I	1	MCB 2019	imm	Y
N. oligius	L	I	1	Bright 2017		
Leucrocuta	L	I	1	MCB 2019		
Liodessus affinis	A	I	1	Wils 1994		
optiosevus	L	III	3	MCB 2019	imm	N
O. trivittatus	L	-III	8	Wils Schm 1992		
Bezzia/Palpomyia	L	I	1	Wils 1995		
Hemerodromia	L	II	2	MCB 2019		
Antocha	L	I	1	"		
Dicranota	L	III	3	"		
Hexatoma	L	II	2	"		
Gammarus pseudolimnaeus	A	I	1	Holsapple 1972		
Caecidotea racovitzai racovitzai	A	I	1	Williams 1972		
Mermithidae	A	I	1	Thorp Rog 2016		
Laevapex fuscus	A	I	1	"		
Physa	A	I	1	"		
Hydrobiidae	A	I	1	Burch 1989		
Sphaeriidae	A	I	1	Peckett al 1997		
~~Stictochironomus~~	~~L~~	~~Bx~~				
~~Stictochironomus~~	~~L~~	~~Bx~~				
Brillia	L	I	1	And et al 2013	imm	
Lopescladius	L	I	1	"		
Thienemanniella	L	I	1	"	imm	
cladotanytarsus	L	/	5	"		

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Microtendipes pedellus group	L	IIII	3	Andrade 2013		
Conchapelopia	L	I	1	"		
Orthocladiinae	L	II	2	"	1mm	N
Cricotopus	L	III	1	"		Y
C. (Cricotopus) bicinctus group	L	I	1	"		
Cryptochironomus	L	I	1	"		
Micropsectra	L	IIII	7	"		
Microtendipes rydalensis group	L	I	1	"		
Demicryptochironomus	L	II	2	"		
Paratanytarsus	L	I	1	"	mt ndet	
Phaenopsectra obediens group	L	I	1	Epler 2001	1mm	
Polypedilum (Tripodura) halterale group	L	II	2	Bolton 2012		
P. (Uresipedilum) flavum	L	X-IIII	19	"		
Sublettea	L	I	1	Andrade 2013		
Tanytarsus	L	XIII	13	"		