State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Eau Claire River	1437600	20211101-37-09

Sampling Location: Eau Claire River @ CTH 2

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10028972	Eau Claire River @ CTH 2	2906090065

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
44.98766	89.36144	(SWIMS) SWDV GPS	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
Central Wisconsin	Big Sandy Creek-Eau Claire River	Marathon

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Hutchinson, Colton	LTT Streams

Sampling Device

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

Habitat Sampled

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

Total Sampling Time (min)	**Estimated Area Sampled (m²)**	**Number of Samples in Composite**	**Replicate No.** ___ **of** ___
5	1	1	1 of 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)**
5.4	13.64	107.8	8.72	306.5	120+

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

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

Measured Velocity circle units mps **or** cfs	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**

Composition of Substrate Sampled (Percent):

Bedrock: 5 Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball.): 40

Sand: 10 Clay: – Silt/Muck: – Overhanging Vegetation: 15

Aquatic Macrophytes: – Leaf Snags: – Course Woody Debris: – Other (_____): _____

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

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

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

Comments: Construction- boulders from Bridge

Special Instructions for Laboratory:

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Reed, Kayla	Dimick, Jeffrey	Rep1 7.81% / Rep2 12.5%
Date Processed	**Specimens Saved**	subsamples archived in AB2 until Jan 2026
9/29/2022 & 10-3-2022	Rep1: 130 & Rep2: 136	

(Rep1) B3dH: 25 q3: 21 q2: 31 q1: | D4dH: 28 q3: 25 q1: q2: | Rep2 B1 q3: 19 q4: 16 q2: 24 q1: 19 | A4 q2: 12 q1: 19 q3: 10 q4: 17

Wisconsin Department of Natural Resources
ABL SampleNum: **20211101-37-09**
Taxonomist: Dimick, Jeffrey

Waterbody: **Eau Claire River**
SWIMS Database Key: **290609065**

Taxa	Life Stage	Organism Count Rep 1	Rep 2	Rep 3	Taxonomic Reference	Condition	Unique Taxon
Acentrella turbida	L	1	4		Klub 2016		
Teloganopsis deficiens	L	1	0		MCB 2019		
Calopteryx maculata	L	1	0		West May 1996		
Ophiogomphus	L	0	2		MCB 2019	imm	
Allocapnia	L	0	1		"		
Paracapnia angulata	L	0	1		Hitch 1974		
Acroneuria lycorias	L	1	0		"		
Taeniopteryx nivalis	L	7	9		Full Stew 1980		
Neoleptophlebia	L	1	0		MCB 2019		
Hesperocorixa atopodonta	A	0	1		Hils 1984a		
Sigara compressoidea	A	0	1		"		
S. signata	A	0	1		"		
Nemouridae	L	1	0		MCB 2019	imm	
Glossosoma intermedium	L	3	3		WyanMac 2000		
Ceratopsyche	L	0	1		Hils 1995	imm	N
C. alternans	L	4	6		Schm Hils 1986		
C. bronta	L	9	9		"		
C. morosa	L	17	15		"	imm	N
C. m. bifida form	L	5	3		"		
C. m. morosa form	L	2	1		"		
C. sparna	L	2	0		"		
Cheumatopsyche	L	8	16		MCB 2019		
Hydropsyche	L	0	1		Hils 1995		
Limnephilidae	L	3	1		MCB 2019	imm	N
Pycnopsyche	L	4	5		"		
Psychomyia flavida	L	2	1		Hils 1995		
Neophylax oligius	L	0	1		Bright 2016		
Nigronia serricornis	L	1	0		Neunzig 1966		
Liodessus affinis	A	0	1		Hils 1994		
Optioservus	L	2	1		MCB 2019	imm	
Stenelmis crenata	A	0	1		Hils Schm 1992		
Diptera Brachycera	P	0	4		MCB 2019		Y
Atherix variegata	L	1	1		Hils 1995		
Probezzia	L	1	2		"		
Antocha	L	1	0		MCB 2019		
Dicranota	L	1	0		"		
Hexatoma	L	0	1		"		
Gammarus pseudolimnaeus	A	0	2		Ito Is 1972		
Physa	A	1	1		Thorp Rog 2016		
Ferrissia rivularis	A	0	4		"		

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Megadrili	A	0	1		Thorp Rog 2016		
Tubificinae (with hairs)	A	1	0		Kath Brin 1998	frag	
Naidinae	A	0	3		"	"	
~~Subfa Chironomidae~~	~~L~~	~~46~~	~~38~~	~~35~~			
Prodiamesinae (Holotanypus)	L	1	1		Anderetal 2013		
Orthocladiinae	L	0	1		"	mt indet	N
Brillia	L	0	1		"	imm	
Cardiocladius obscurus	L	1	1		Epler 2001		
Cricotopus (Cricotopus) bicinctus group	L	2	1		Anderetal 2013		
Cricotopus (Cricotopus)	L	1	0		"		Y
Nanocladius (Nanocladius)	L	1	0		"	imm	
N. (Plecopteracoluthus)	L	0	1		"	imm	
Orthocladius (Orthocladius)	L	5	1		"		
Thienemanniella taurocapita	L	1	0		Bolton 2012		
Chironominae	L	0	1		Anderetal 2013	mt indet	N
Cladotanytarsus	L	3	0		"		
Microspectra	L	10	20		"		
Microtendipes pedellus group	L	2	1		"		
Paratanytarsus species A	L	2	0		Wiscmacrobl		
Phaenopsectra obediens	L	1	0		Bolton 2012		
Polypedilum (Polypedilum) illinoense group	L	2	2		"		
P. (Uresipedilum) flavum	L	17	8		"		
P. (Tripodura) scalaenum group	L	1	0		"		
Rheotanytarsus	L	3	7		Anderetal 2013		
Tanytarsus	L	1	2		"		