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)**
NORTH FORK EAU CLAIRE RIVER	2145400	20181023-10-09

Sampling Location DS bridge ~25m, first riffle

Database Key 169406493

SWIMS Station ID	**SWIMS Station Name**
10030169	NORTH FORK EAU CLAIRE RIVER AT CTH MM

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

Basin (WMU)	**Watershed Name**	**County**
LOWER CHIPPEWA	NORTH FORK EAU CLAIRE RIVER	CLARK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CHRISTOPHER J WILLGER, MYCAL C RAI	MACROINVERTEBRATE SPATIAL ANALYSIS

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.**
1	1.5	1	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
5.7	11.07	88.3	7.75	190.4	>120

Water Color

- [ ] Clear
- [ ] Turbid
- [X] Stained

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)**
	0.1	10

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 40 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): _____

Sand: 10 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

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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	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	N	U
Channelization: - Upstream	N	U
- Downstream	N	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	U
- Downstream	N	U
Low Flow	N	U
Sedimentation	N	U
Sludge	N	U
Thermal	N	U
Turbidity	N	U
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Kyle Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 60%
Date Processed: 6/21/19	Specimens Saved: 155	

C2= C3= B1= } 31
D3= A3= D2= } 60
D1= E1= A1= } 42
133

subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181023-10-09**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **169406493**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Isoperla signata	L	IVI	4	Wils 1982		
Taeniopteryx	L	II	2	Wils 1995	imm	
Acerpenna pygmaea	L	-	5	Klub 2016		
Plauditus punctiventris	L	I	1	"		
Caenis	L	II	2	"	imm	
Eurylophella	L	I	1	"	imm	
Heptageniidae	L	I	1	"	imm	N
Stenacron	L	I	1	"	imm	
Maccaffertium	L	II	2	"	imm	N
M. mediopunctatum	L	×I	11	"		
M. vicarium	L	III	3	"		
Paraleptophlebia	L	I	1	"	imm	
Rhyacophila	L	I	1	Wils 1995		
Ceratopsyche	L	II	2	"	imm	N
C. bronta	L	III	3	Schm Wils 1986		
Hydroptila	L	III	3	Wils 1995		
Nyctiophylax	L	I	1	"		
Psychomyia flavida	L	-III	9	"		
Neophylax	L	I	1	"	imm	
Acroneuria lycorias	L	I	1	Stark 1974		
Dubiraphia	L	I	1	Wils Schm 1992		N
D. vittata	A	I	1	"		
Macronychus glabratus	A	I	1	"		
Optioservus fastiditus	L	II	2	"		
Stenelmis	L	×IIII	14	"		N
S. crenata	A	IIII	4	"		
Bezzia/Palpomyia	L	I	1	Wils 1995		
Antocha	L	IIII	4	"		
Atractides	A	I	1	Pivar 1984		
Lebertia	A	I	1	"		
Corixidae	A	I	1	Wils 1995	imm	
Enchytraeidae	A	III	3	Thorp Rog 2016		
Naidinae	A	II	2	Brinkhurst 1991		
Laevapex fuscus	A	I	1	Thorp Rog 2016		
Pisidiidae=Sphaeriidae	A	I	1	Thorp Rog 2016	imm	N
Pisidium	A	-	5	Mackie 2007		
Sphaerium	A	I	1	"		

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~~Split Az Chironomidae~~	~~L~~	~~OW JW~~				
Tubificinae (without hairs)	A	1	1	Klemm 1985		
cladotanytarsus	L	X OW	33	Epl et al 2013		
Chironomidae 08250000	L	1	1	Court Mar 2008	dam	N
Zavrelimyia	L	1	1	CranEpl 2013		
orthocladiinae 08300000 (ortho?)	L	III	3	Cranston 2013	imm	N
Diplocladius	L	1	1	And+3 2013		
Orthocladius (Orthocladius)	L	-II	7	"		
Microtendipes pedellus group	L	1	1	Epl et al 2013		
Polypedilum (Polypedilum) illinoense group	L	1	1	Bolton 2012		
P-(Uresipedilum) flavum	L	1	1	"		
Tanytarsus	L	-II	7	Epl et al 2013		