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	20181022-10-[redacted]14

Sampling Location: @ CTH X ; ~80 m DS of bridge

Database Key: 171259849

SWIMS Station ID	**SWIMS Station Name**
103103	EAU CLAIRE NORTH FORK - NW1/4OFNW1/4 SEC34 (CTH X)

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	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.** / **of**
45 sec	1	1	1 / 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	11.85	94.4	7.95	226.2	>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)**
	.1	6

Composition of Substrate Sampled (Percent):

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

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 (%)** 80

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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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments Duplicate Sample. Same riffle.
Initial Sample ID 20181022-10-07b

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	40%
Date Processed	**Specimens Saved**	
6/20/19	49 + 90 = 139	

C3/E2/A1 E1/A3/C1
Subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181022-10-14**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **171259849**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	-	5	Nils 1995		
Paracapnia angulata	L	II	2	Nitch 1974		
Isoperla signata	L	II	2	Nils 1982		
Heptageniidae	L	III	3	Klub 2016	imm	N
Leucrocuta	L	-	5	"		
Maccaffertium	L	-	5	"	imm	N
M. mediopunctatum	L	-	5	"		
M. modestum	L	X IIII	14	"		
M. vicarium	L	-II	7	"		
Paraleptophlebia	L	-III	8	"	imm	
Isonychia	L	I	1	"	imm	
Cheumatopsyche	L	X-II	18	Nils 1995		
Ceratopsyche	L	-I	6	"	imm	Y
C. bronta	L	III	3	Schm/Nils 1986		
Chimarra	L	I	1	Nils 1995	imm	N
Ch. aterrima	L	I	1	Nils 1982		
Ch. obscura	L	X III	14	"		
Optioservus	L	I	1	Nils Schm 1992	imm	N
O. fastiditus	L	I	1	"		
~~Stenelmis crenata~~ O. trivittatus	A	I	1	"		
Stenelmis crenata	A	-II	7	"		
Dugesiidae	A	I	1	ThorpRog 2016		
Climacia areolaris	L	I	1	Nils 1995		
Naidinae	A	I	1	Brink Cold 1991		
Tubificinae (with hairs)	A	I	1	Klemm 1985		
Daphniidae	A	X II	13	ThorpRog 2016		
~~Split A2 Chironomidae~~	L	0-1-XX				
Thienemanniella xena	L	I	1	Bolton 2012		
Cladotanytarsus	L	III	3	Epl et al 2013		
Micropsectra pedellus group	L	I	1	"		
Paratendipes	L	I	1	"		
Polypedilum (Uresipedilum) flavum	L	X-II	18	Bolton 2012		
Tanytarsus	L	I	1	Epl et al 2013		