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	20181022-10-06

Sampling Location: DS bridge ~40m

Database Key: 169406473

SWIMS Station ID	**SWIMS Station Name**
10010381	NORTH FORK EAU CLAIRE RIVER - NORTH FORK E.C. RIVER STATION 3 CENTER Rd

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 RALEIGH	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.**
10	20	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)**
6.3	12.27	99.2	7.98	145.3	7/10

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [X] Moderate (0.15 m/s - 0.5 m/s)
- [ ] 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)**
	12	6m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 20

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

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

Embeddedness of Substrate at Sample Site (%) 20 **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:	N	U
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	U	U
Sedimentation	N	U
Sludge	N	U
Thermal	N	U
Turbidity	N	U
Other - Specify:	N	U

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	U	U
Dissolved Oxygen	N	N
Nutrients (P, N...)	PL	PH
Toxics: - Inorganic (Metals)	U	U
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	U	U
Point Source - Specify:	U	U
Pasturing of Livestock	PL	PH
Runoff: - Barnyard	PL	PH
- Construction	N	U
- Cropland	PL	PH
- Urban	N	
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	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
6/20/19	42 + 39 + 38 + 33 = 152	
	C3 C1 C2 E2 Total	

Subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181022-10-06**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **169406473**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	~~X~~ IIII	32	Hils 1995		
Paracapnia angulata	L	III	3	Hitch 1974		
Isoperla	L	III	3	Hils 1995	dam/imm	N
I. signata	L	IIII	4	Hils 1982		
Acroneuria	L	I	1	Klub 2016	dam	N
A. pygmaea	L	IIII	4	"		
Caenis	L	-I	6	"	imm	N
C. latipennis	L	-	5	"		
Heptageniidae	L	I	1	"	imm	N
Maccaffertium mediopunctatum	L	III	3	"		
M. vicarium	L	II	2	"		
Leptophlebia	L	I	1	"	imm	N
L. cupida	L	I	1	"		
Paraleptophlebia	L	II	2	"	dam/imm	
Helicopsyche borealis	L	-	5	Hils 1995		
Cheumatopsyche	L	-	5	"		
Hydropsyche	L	I	1	"	imm	N
H. betteni	L	I	1	Schm Hils 1986		
Ceratopsyche slossonae	L	-I	6	"		
Hydroptila	L	I	1	Hils 1995		
Chimarra obscura	L	-	5	Hils 1982		
Neophylax	L	III	3	Hils 1995	imm	
Optioservus	L	-II	7	Hils Schm 1992	imm	N
O. fastiditus	L	-	5	"		
O. trivittatus	A	I	1	"		
Stenelmis	L	-	5	"		N
S. crenata	A	-III	8	"		
Atherix variegata	L	I	1	Hils 1995		
Bezzia/Palpomyia	L	I	1	"		
Dicranota	L	I	1	"		
Enchytraeidae	A	I	1	Thorp/Cos 2016		
Tubificinae (without hairs)	A	-I	6	Klemm 1995		
~~Split Z Chironomidae~~	L	~~X-IIIII~~				
Cladotanytarsus	L	XIII	13	Epl et al 2013		
Microtendipes pedellus group	L	I	1	"		
Natarsia baltimorea	L	I	1	Epler 2001		
Cricotopus (Isocladius) absurdus	L	I	1	Bolton 2012		

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Polypedilum (Uresipedilum) flavum	L	-IIII	8	Bolton 2012		
Stictochironomus	L	III	3	Epler et al 2013		
Tanytarsus	L	IIII	4	"		