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	20181023-10-08

Sampling Location: DS bridge ~ 4m

Database Key: 169406465

SWIMS Station ID	**SWIMS Station Name**
103033	EAU CLAIRE RIVER NORTH FORK - CTH N - 21.6

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

- [ ] Riffle
- [X] 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.**
2	2	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)**
6.1	11.66	93.8	8.29	2419	>120

Water Color

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

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)**
	.3	12

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 10

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

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

Embeddedness of Substrate at Sample Site (%) 10 **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		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 93%
Date Processed: 6/21/19	Specimens Saved: 140	

D1= E1= D2= } 13 A1= B1= D3= } 3 B2) C1= A2= C2= C3= } 67

E2= 23 = 140 Subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181023-10-08**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **169406465**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	/|||	8	Hils 1995		
Acerpenna pygmaea	L	x/	15	Kluh 2016		
Caenis	L	-||	10	"	imm	N
C. latipennis	L	x||	12	"		
Eurylophella	L	|	1	"	imm	
Heptageniidae	L	/|	6	"	imm	N
Stenacron	L	x|||	13	"	imm	N
S. interpunctatum	L	/	5	"		
Stenonema femoratum	L	/||	7	"		
Maccaffertium vicarium	L	|||	3	"		
Leptophlebia	L	x/	15	"	imm	N
L. cupida	L	/	5	"		
Isonychia	L	|	1	"		
Polycentropus	L	||	2	Hils 1995		
Psychomyia flavida	L	|	1	"		
Dubiraphia	L	|	1	Hils Schm 1992		
Macronychus glabratus	A	|	1	"		
Stenelmis crenata	A	|	1	"		
Probezzia	L	||	2	Hils 1995		
Corynoneura	P	|	1	Ferr et al 2008		
Nanocladius	P	||	2	"		
Caecidotea	A	|	1	Will 1972	fem	
Unionicola	A	|	1	Pluch 1974		
Corixidae	A	-|||	8	Hils 1995	imm	
Daphniidae	A	|	1	Thorp Rog 2016		
Cyclopidae	A	|	1	"		
~~Split A2 Chironomidae~~	~~L~~	~~x||||~~ = JJD				
Cladotanytarsus	L	||||	4	Epl et al 2013		
Thienemannimyia group	L	|	1	Cran Epl 2013		
Diplocladius	L	|	1	And +3 2013		
Dicrotendipes	L	|	1	Epl et al 2013		
Glyptotendipes	L	|	1	"		
Microtendipes pedellus group	L	|	1	"		
Paratanytarsus	L	|	1	"	mt indet	N
P. species A	L	||	2	Hils unpubl		
Paratendipes	L	|	1	Epl et al 2013		

Wisconsin Department of Natural Resources
ABL SampleNum: ~~**20181022-10-08**~~ 20181023-10-DB
Taxonomist: Dimick, Jeffrey JD

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **169406465**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Polypedilum (Polypedilum) illinoense group	L	1	1	Bolton 2012		
P. (Uresipedilum) flavum	L	1	1	"		
Stictochironomus	L	1	1	Epler et al 2013		