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	20181023-18-11

Sampling Location: US of Shambaugh Creek Confluence ~70m

Database Key: 171259853

SWIMS Station ID	**SWIMS Station Name**
10051699	NORTH FORK EAU CLAIRE RIVER ABOVE SHAMBAUGH CREEK

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.777447	-90.96654	SWIMS SWDV GPS	WGS84 or NAD83

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

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**
1.5	2	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)**
6.1	11.97	96.4	7.63	150.9	>120

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)**
	.3	15

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 (%)** 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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton	N		Chlorine	U	
- 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

Initial Sample ZB 20181023-18-11a

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	53%
Date Processed	**Specimens Saved**	
6/24/19	3 + 44 + 59 + 51 = 157 (C1 A3 D1/C2 A1 Total)	

subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181023-18-11**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **171259853**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Plecoptera	L	I	1	Wils 1995	imm	N
Allocapnia	L	⫶I	6	"		
Paragnetina media	L	II	2	"		
Isoperla	L	I	1	"	imm	Y
I. signata	L	IIII	4	Wils 1982		
Pteronarcys	L	I	1	Wils 1995	imm	
Taeniopterygidae (Oemo/Strapha)	L	II	2	"	imm	Y
Taeniopteryx	L	III	3	"	imm	N
T. burksi	L	XIIII	14	Fullstew 1980		
Acerpenna pygmaea	L	IIII	4	Klub 2016		
Caenis	L	II	2	"	imm	
Eurylophella	L	IIII	4	"		
Heptageniidae	L	III	3	"	imm	N
Leucrocuta	L	XIII	13	"		
Maccaffertium	L	IIII	4	"	imm	x=3, Y
M. mediopunctatum	L	OII	22	"		
M. vicarium	L	IIII	4	"		
Leptophlebiidae	L	III	3	"	dam	N
Paraleptophlebia	L	XII	12	"		
Isonychia	L	XII	12	"		
Cheumatopsyche	L	I	1	Wils 1995		
Ceratopsyche	L	~~II~~ I	1	"	imm	N
C. bronta	L	⫶II	7	Schm Wils 1986		
C. alhedra/ walkeri	L	I	1	"		
Limnephilidae	L	II	2	Wils 1995	imm	
Chimarra obscura	L	I	1	Wils 1982		
Optioservus	L	III	3	Wils Schm 1992	imm	N
O. fastiditus	L	I	1	"		
Atherix variegata	L	I	1	Wils 1995		
Diamesa	L	I	1	"		
Sperchon	A	I	1	Prokh 1994		
~~Split Z Chironomidae~~	~~L~~	~~O JJD~~				
Conchapelopia 08270700	L	I	1	Cran Epl 2013		
Nilotanypus	L	I	1	"		
Brillia	L	I	1	Andt 3 2013	mA indet	
Orthocladius	L	I	1	"		

Wisconsin Department of Natural Resources
ABL SampleNum: ~~**20181022-10-11**~~ 20181023-18-11
Taxonomist: Dimick, Jeffrey JD

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **171259853**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Microtendipes pedellus group	L	1	1	Epler et al 2013		
Polypedilum (Uresipedilum) flavum	L	"	2	Bolton 2012		
Rheotanytarsus	L	1	1	Epler et al 2013		
Stempellinella	L	1	1	"		
Tanytarsus	L	x1	"	"		