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-Lel-03

Sampling Location	**Database Key**
US bridge 2m	169406481

SWIMS Station ID	**SWIMS Station Name**
10051680	NORTH FORK EAU CLAIRE RIVER AT 7TH AVE

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

Basin (WMU)	**Watershed Name**	**County**
		Taylor

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.** ___ **of** ___
1	2m	1	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
4.1	11.1	84.9	7.86	133.7	>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)**
	0.5	7m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 50 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 (%) 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	N
- Downstream	N	N
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	N	U
Dissolved Oxygen	N	U
Nutrients (P, N...)	N	U
Toxics: - Inorganic (Metals)	N	U
- Organic (PCBs, pesticides...)	N	U
Other - Specify:	N	
Sources of Stream Impacts		
Bank Erosion	N	U
Point Source - Specify:		
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	PL	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	N	U
Other - Specify:		

Comments Stream at this crossing is slow velocity with deeper runs and pools. Sampled 1-2m US of bridge in .5m of water.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	100%
Date Processed	**Specimens Saved**	
6/21/19	14 + 35 + 44 + 10 + 21 = 124	
	A2/D1/D3 A1/E3/B3 B2/B1/A3 E2/E1/D2 C1/C3/C2	Total

Subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181022-61-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **169406481**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	-1	6	Klch 2016	imm	N
C. latipennis	L	III	3	"		
Stenacron	L	XII	12	"	imm	N
S. interpunctatum	L	-	5	"		
Stenonema femoratum	L	1	1	"		
Leptophlebia	L	-1	6	"	imm	N
L. cupida	L	II	2	"		
Probezzia	L	IIII	4	Nils 1995		
Mallochohelea	L	IIII	4	"		
orthocladiinae 08300001 (Cricot?)	P	1	1	Ferr et al 2008	dam	N
Oecnectes virilis	A	1	1	Hobbs Jass 1988		
Cyclonidae	A	1	1	Thorp Rog 2016		
Tubificinae (without hairs)	A	1	1	Klemm 1985		
Nemerodromia	L	1	1	Court Meir 2008		
Naidinae	A	II	2	Brinkhurst 1991		
~~split to~~ Chironomidae	L	~~8-III~~				
cladotanytarsus	L	8-III	48	Epl et al 2013		
cryptochironomus	L	II	2	"		
Stictochironomus	L	~~XIII~~ I	21	"		
Ablabesmyia (Ablabesmyia)	L	1	1	Cran Epl 2013		
Orthocladiinae 08300000	L	II	2	Cranston 2013	dam	N
Parakiefferiella	L	III	3	And + 3 2013		
Orthocladius (orthocladius) oliveri	L	1	1	Bolton 2012		
Cricotopus	L	II	2	And + 3 2013		
Dicrotendipes	L	IIII	4	Epl et al 2013		
Microtendipes pedellus group	L	1	1	"		
Polypedilum (Tripodura) scalaenum group	L	1	1	Bolton 2012		
Tanytarsus	L	1	1	Epl et al 2013		
Tribelos jucundus	L	1	1	Bolton 2012		