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)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name North Fork Eau Claire River	**Waterbody ID Code** 2145400	**Sample ID (YYYYMMDD-CY-FD)** 20181022-10-05
Sampling Location US bridge ~4m		**Database Key** 169406489
SWIMS Station ID 10051681	**SWIMS Station Name** NORTH FORK EAU CLAIRE RIVER AT BRIDGE ROAD	
Latitude	**Longitude**	
Lat/Long Determination Method (circle) SWIMS SWDV GPS	**Datum Used if using GPS** WGS84 or NAD83	
Basin (WMU)	**Watershed Name**	**County** Clark

Sample and Site Descriptors

Sample Collector (Last Name, First) CHRISTOPHER J WILLGER, MYCAL C RAI	**Project Name** MACROINVERTEBRATE SPATIAL ANALYSIS

Sampling Device

☒ D-Frame Kick Net ☐ Surber Sampler ☐ Eckman
☐ Ponar ☐ Artificial Substrate ☐ Hess Sampler ☐ Other: ____________

Habitat Sampled

☐ Riffle ☒ Run ☐ Pool
☐ Other ☐ Shoreline Composite ☐ Proportionally-Sampled Habitat
☐ Littoral Zone ☐ Profundal Zone ☐ Wetland

Total Sampling Time (min) 2.5	**Estimated Area Sampled (m^2)** 2	**Number of Samples in Composite** 1	**Replicate No.** 1 **of** 1

Reason For Sampling

☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site
☐ Control Site ☐ Trend ☒ Other: ____________

Water Temp. (C) 5.6	**D.O. (mg/l)** 12.21	**D.O. (% sat.)** 97.0	**pH (su)** 8.04	**Conductivity (umhos/cm)** 144.7	**Transparency (cm)** >120

Water Color ☐ Clear ☐ Turbid ☒ Stained

Estimated Stream Velocity (m/s) ☒ 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)** .5	**Average Stream Width of reach (m)** 8.5

Composition of Substrate Sampled (Percent):

Bedrock: ______ Boulders (basketball or larger): ______ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 10

Sand: 50 Clay: ______ Silt/Muck: ______ Overhanging Vegetation: ______

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

Embeddedness of Substrate at Sample Site (%) 50 **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		PL	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	U
	- Downstream	N	U
Low Flow		N	U
Sedimentation		PL	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		U	U
Dissolved Oxygen		U	U
Nutrients (P, N...)		U	U
Toxics:	- Inorganic (Metals)	U	U
	- Organic (PCBs, pesticides...)	U	U
Other - Specify:			
Sources of Stream Impacts			
Bank Erosion		N	U
Point Source - Specify:			
Pasturing of Livestock		PL	U
Runoff:	- Barnyard	N	U
	- Construction	N	U
	- Cropland	N	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		U	U
Other - Specify:			

Comments EWM present US and DS of Bridge. Ri

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 47%
Date Processed 6/19/19	Specimens Saved 32 + 13 + 11 + 25 + 18 + 16 + 20 = 135	

B2 D2 E2 C1 C2 D1 B3 Total

Subsample archived in ABL until Aug 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181022-10-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Eau Claire River**
SWIMS Database Key: **169406489**

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	|	1	Klub 2016		
Acerpenna pygmaea	L	||	2	"		
Caenis	L	X|||	13	"	dam/imm	N
C. latipennis	L	X||||	14	"		
Stenacron	L	||	2	"	imm	
Stenonema femoratum	L	|||	3	"		
Leptophlebiidae	L	||	2	"	dam/imm	N
Leptophlebia	L	-||	7	"	imm	N
L. cupida	L	|	1	"		
Cheumatopsyche	L	|	1	Nils 1995		
Oecetis	L	|	1	"	imm	
Limnephilidae	L	|	1	"	imm	
Polycentropus	L	|	1	"		
Dubiraphia	L	-|	6	NilsSchm 1992		
JJD ~~At~~ Probezzia	L	|	1	Nils 1995		
Mallochohelea	L	|||	3	"		
Hyalella wellborni	A	|||	3	Souc et al 2015		
Caecidotea	A	||||	4	Will 1972	fem/imm	
Hygrobates	A	-||	7	Pluch 1984		
Dugesiidae	A	|	1	ThorpRog 2016		
Corixidae	A	/	5	Nils 1995	imm	
Daphniidae	A	||	2	ThorpRog 2016		
JJD ~~Naidid~~ Naidinae	A	-||	7	BrinkTC 1991		
Tubificinae (without hairs)	A	O|||	24	Klemm 1985		Y
Tubificinae (with hairs)	A	~~||||~~ |	11	"		Y
Ferrissia	A	|	1	ThorpRog 2016		
Unionoida	A	|	1	"	imm	
Pisidium	A	||||	4	Mackie 2007		
~~Split A2 Chironomidae~~	~~L~~	~~X||||~~ JJD				
Corynoneura	L	|	1	And+3 2013		
Cladotanytarsus	L	8-||	47	Epl et al 2013		
Cryptochironomus	L	|||	3	"		
Cricotopus	L	|	1	And+3 2013		
Chironomus	L	|||	3	Epl et al 2013		
Dicrotendipes	L	||	2	"		
Glyptotendipes	L	|	1	"		

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Polypedilum (Tripodura) halterale group	L	1	1	Bolton 2012		
Stictochironomus	L	-1	6	Epler et al 2013		