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 FISH CREEK	2888000	20181101-04-02

Sampling Location: 30 m US Keystone Rd

Database Key: 168634590

SWIMS Station ID	**SWIMS Station Name**
10051147	NORTH FISH CREEK AT KEYSTONE RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
46.51662	-91.15984	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LAKE SUPERIOR	FISH CREEK	BAYFIELD

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG ROESLER	NORTH DISTRICT NC STREAM STRATIFIED SITES 2018

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	1	3-2g Kicks	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [x] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
3.5	12.62	98.3	7.53	42.5	48

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [x] 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)**
	.5	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 33

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

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** _____

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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	PL	
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion	N	
Channelization: - Upstream	N	
- Downstream		
Hydraulic Scour / Channel Incision	PH	
Impoundment: - Upstream	U	
- Downstream	PH	
Low Flow		
Sedimentation	N	
Sludge		
Thermal		
Turbidity 60FNU		
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		U
Runoff: - Barnyard		U
- Construction		
- Cropland		PL
- Urban		
Septic Systems		U
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special ~~Instructions~~ for Laboratory

IB = 162

Total = 162

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Murphy Stehrse	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
9/3/19	Subsample archived in ABL until Nov 2022	

Wisconsin Department of Natural Resources
ABL SampleNum: **20181101-04-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fish Creek**
SWIMS Database Key: **168634590**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	-1	6	Hils 1995		
Acerpenna macdunnoughi	L	x	10	Klub 2016		
Caenis	L	1	1	"	imm	N
C. latipennis	L	1	1	"		
Stenacron	L	01	21	"	imm	N
S. interpunctatum	L	x-11	17	"		
Stenonema femoratum	L	1	1	"		
Leucrocuta	L	11	2	"		
Maccaffertium	L	1	1	"	imm	Y
M. vicarium	L	011	22	"		
~~Leucrocuta~~ Leptophlebia	L	1111	4	"	imm	
Cheumatopsyche	L	1111 0	20	Hils 1995		
Hydropsyche betteni	L	111	3	Schm Hils 1996		
Chimarra	L	x	10	Hils 1995	imm	N
Ch. aterrima	L	x-11	17	Hils 1982		
Neophylax	L	1	1	Hils 1995	imm	
Dubiraphia	L	1	1	Hils Schm 1992		
Optioservus fastidiosus	L	1	1	"		
Stenelmis	L	111	3	"		N
S. crenata	A	111	3	"		
Simulium vittatum species complex 08110217	L	1	1	Adler et al 2004		
Diamesa	L	1	1	Hils 1995		
Tipula	L	1	1	"		
Hyalella azteca	A	1	1	Soucek et al 2015		
Tubificinae (without hairs)	A	1	1	Klemm 1985		
Pisidium	A	1	1	Mackie 2007		
~~Split A3 Chironomidae~~	L	1111				
Conchapelopia 08270702	L	1	1	Cran Epl 2013		
Orthocladiinae 08300000 (Cricotopus/Orthocladius)	L	1	1	Cranston 2013	imm	Y
Eukiefferiella claripennis group	L	1	1	Andt 3 2013		
Eu. devonica group	L	1	1	"		
Parametriocnemus	L	11	2	"		
Paratanytarsus	L	1	1	Epl et al 2013	mtindet	N
P. species A	L	1	1	Hils unpubl.		
Polypedilum (Uresipedilum) aviceps	L	1	1	Bolton 2012		
P. (U.) flavum	L	11	2	"		
Tanytarsus	L	1111	4	Epl et al 2013		

<3 taxa, TVAL ≤ 2.0