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)**
GRAHAM CREEK	2124700	20211025-18-2

Sampling Location: US bridge ~5m

Database Key: 287769802

SWIMS Station ID	**SWIMS Station Name**
10009825	GRAHAM CREEK - STATION 1 SPRUCE RD

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	LOWES AND ROCK CREEKS	EAU CLAIRE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MYCAL RALEIGH	WCR LONG-TERM TREND WADEABLE REFERENCE STREAM

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** ___
45sec	1.5	1	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)**

Water Color

- [X] Clear
- [ ] Turbid
- [ ] 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)**
	0.15	4m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 30

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

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

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 60

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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	U
- Downstream	N	U
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	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	N	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	N	U
- Urban	N	N
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

Special Instructions for Laboratory

B4
R2 91-25
92-14
~~91-13~~
~~91-14~~

A3
93-35
91-51
94-55
92-55

133
=~~262~~ 250

R1 D1
94-49
91-93
93-32
92-34
= 158

For Lab Use Only		
Sample Sorter: Mary Joy Relagio	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: R1 = 6.2% / R2 = ~~12.5~~ 6.5
Date Processed: 12-9-2022	Specimens Saved: Subsamples archived in ABL until Mar 2026	

Wisconsin Department of Natural Resources
ABL SampleNum: **20211025-18-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Graham Creek**
SWIMS Database Key: **287769802**

Taxa	Life Stage	Organism Count Rep 1	Rep 2	Rep 3	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1		MCB 2019	dam	N
Acerpenna macdunnoughi	L	8	4		Klub 2016		
Baetis bunneicolor	L	3	1		"		
B. tricaudatus	L	9	7		"		
Ephemerella	L	6	6		MCB 2019	imm	N
E. excrucians	L	11	7		Klub 2016		
Maccaffertium	L	0	1		"	imm	N
M. vicarium	L	5	3		"		
Leptophlebiidae	L	6	4		MCB 2019	dam	N
Neoleptophlebia	L	2	3		"	dam	
Isonychia	L	0	1		"	imm	
Isoperla	L	1	3		"	imm	
Brachycentrus occidentalis	L	0	1		Hils 1985		
Glossosoma intermedium	L	1	1		WymMor 2000		
Hydropsychidae	L	1	0		MCB 2019	imm	N
Ceratopsyche slossonae	L	2	2		Schm Hils 1986		
C. sparna	L	2	1		"		
Cheumatopsyche	L	3	3		MCB 2019		
Hydropsyche betteni	L	1	0		Schm Hils 1986		
Neophylax	L	1	1		MCB 2019	imm	
Optioservus	L	7	3		"	imm	N
O. fastiditus	L	1	2		Hils Schm 1992		
Neoplasta	L	1	0		MCB 2019		
Hexatoma	L	0	1		"		
Dicranota	L	0	1		"		
Prosimulium	L	52	47		"	imm	N
P. fuscum	L	9	4		Adler et al 2004		
Simulium tuberosum species complex	L	0	2		"		
Tipula	L	0	1		MCB 2019		
~~Split Az Chironomidae~~	~~L~~	~~4~~	~~46~~	~~wh~~			
Conchapelopia	L	1	1		Ander et al 2013		
Parametriocnemus	L	9	5		"		
Rheocricotopus	L	0	2		"		
Thienemanniella xena	L	1	0		Bolton 2012		
Tvetenia bavarica group	L	5	5		Boe 1983		
Microtendipes rydalensis group	L	0	1		Ander et al 2013		
Polypedilum	L	0	1		"	mt indet	Y
P. (Uresipedilum) aviceps	L	0	2		Bolton 2012		
Rheotanytarsus	L	6	5		Ander et al 2013		