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)**
ELK CREEK	2120800	20200929-09-03

Sampling Location: DS bridge ~35m — **Database Key:** 249835530

SWIMS Station ID	**SWIMS Station Name**
10030130	ELK CREEK AT 35TH STREET

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	MUDDY AND ELK CREEKS	CHIPPEWA

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

- [ ] 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.**
1	1.5	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Long term trend

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
12.2					

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)**
	0.5	4m

Composition of Substrate Sampled (Percent):

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

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

Aquatic Macrophytes: 30 Leaf Snags: 30 Coarse Woody Debris: 30 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **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	PH
Low Flow	N	U
Sedimentation	PH	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	PH	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: Beavers made dam in normal sampling location. Sampled mainly the leaf snags and woody debris of the beaver dam.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Raatz, Trevor	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 6.3%
Date Processed: 12/28/2021	Specimens Saved: Subsample archived in BBL until Mar 2025	

A2Q4: 65
B4Q2: 23: 88
A2Q1: 27: 115
B4Q1: 31: 146

A2Q2:
B4Q3:
A2Q3:
B4Q4:

146

Wisconsin Department of Natural Resources
ABL SampleNum: **20200929-09-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Elk Creek**
SWIMS Database Key: **249835530**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	MCB 2019	imm	N
Baetis	L	I	1	"	imm	N
B. brunneicolor	L	X-III	18	Klub 2016		
Ephemerella	L	/	5	MCB 2019	imm	
1/1 Paracapnia angulata	L	I	1	Hilsenhoff 1974		
2/2 Isoperla slossonae	L	I	1	Hilsenhoff 1982		
3/3 Taeniopteryx	L	III	3	MCB 2019	imm	
4/20 Brachycentrus americanus	L	O	20	Hilsenhoff 1995		
Hydropsychidae	L	I	1	MCB 2019	imm	N
Ceratopsyche slossonae	L	-	5	Schmude Hilsenhoff 1986		
5/32 Lepidostoma	L	-II	7	MCB 2019		
Optioservus fastiditus	L	I	1	Hilsenhoff Schmude 1992		
Thienemanniella	P	I	1	MCB 2019		N
Tvetenia	P	I	1	"		N
Simulium	L	I	1	"	dam	Y
S. tuberosum species complex	L	I	1	Adler et al 2004		
S. vittatum species complex 08110218	L	II	2	"		
Antocha	L	II	2	MCB 2019		
Dicranota	L	I	1	"		
Tipula	L	I	1	"		
Gammarus pseudolimnaeus	A	XI	11	Holsenhoff 1972		
Caecidotea racovitzai racovitzai	A	X IIII	34	Williams 1972		
Hydrida	A	I	1	Thorp Rogers 2016		
Physa	A	III	3	"		
Gyraulus deflectus	A	I	1	"		
Ophidonais serpentina	A	-	5	Kathman Brinkhurst 1998		
Tubificinae (with hairs)	A	I	1	"		Y
Tubificinae (without hairs)	A	I	1	"		Y
~~Split 42 Chironomidae~~	L	X-III				
Eukiefferiella claripennis group	L	I	1	Andersen et al 2013		
Parametriocnemus	L	III	3	"		
Tvetenia bavarica group	L	-	5	Boesel 1963		
Micropsectra polita group	L	II	2	Andersen et al 2013		
Rheotanytarsus	L	-III	8	"		
Tanypodinae (cavelimyia?)	L	I	1	"	imm	Y
Corynoneura	L	IIII	4	"		

> 3 taxa, TVAL ≤ 2.0
32 > (0.1 x 135)

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Brillia	L	1	1	Andersen 2013	mmy	
Orthocladius (Orthocladius)	L	11	2	"		
Thienemanniella xena	L	11	2	Bolton 2012		
Micropsectra	L	1	1	Andersen 2013		