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	20191029-09-01

Sampling Location DS bridge ~30m — **Database Key** 211591026

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, Alex Selle	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**	
1.5	2	1	**Replicate No.** 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)**
6.1					

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)**
	0.35	4m

Composition of Substrate Sampled (Percent):

Bedrock:	Boulders (basketball or larger):	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 20
Sand: 10	Clay:	Silt/Muck:	Overhanging Vegetation: 20
Aquatic Macrophytes:	Leaf Snags: 10	Coarse Woody Debris:	Other (_____):

Embeddedness of Substrate at Sample Site (%) 20 **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	PH	U
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	PH
Low Flow	N	N
Sedimentation	U	U
Sludge	U	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	PL	U
Point Source - Specify:		
Pasturing of Livestock	PL	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	~~PH~~	~~PH~~
- 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

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Coash, Natalie	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 12.5%
Date Processed: 10/22/20	Specimens Saved: subsample archived in ABL until Dec 2023	

D2 - 81
B2 - 102

183

Wisconsin Department of Natural Resources
ABL SampleNum: **20191029-09-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Elk Creek**
SWIMS Database Key: **211591026**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Klub 2016		
B. flavistriga species complex	L	I	1	"		
B. tricaudatus	L	III	3	"		
Ephemerella	L	-III	8	MerrlummB 2019	imm	N
E. excrucians	L	-III	8	Klub 2016		
Maccaffertium vicarium	L	I	1	"		
Leptophlebia	L	IIII	4	MerrlummB 2019	imm	
Paraleptophlebia	L	II	2	Klub 2016	imm	
Albocapnia	L	II	2	MerrlummB 2019		
Paracapnia angulata	L	I	1	Hilsenhoff 1974		
Amphinemura	L	I	1	MerrlummB 2019	imm	
Isoperla signata	L	IIII	4	Hilsenhoff 1982		
I. transmarina	L	III	3	"		
Taeniopteryx	L	5-III	38	MerrlummB 2019	imm	N
T. nivalis	L	-I	6	Fullerton 1980		
Brachycentrus americanus	L	5-III	38	Hilsenhoff 1985		
Ceratopsyche slossonae	L	II	2	Schmude Hilsenhoff 1986		
Lepidostoma	L	-	5	MerrlummB 2019		
ortiosevus	L	-I	6	"	imm	N
O. fastidiosus L, 4 A, 3	L/A	-II	7	Hilsenhoff Schmude 1992		
Atherix variegata	L	I	1	Hilsenhoff 1995		
Antocha	L	I	1	MerrlummB 2019		
Dicranota	L	XII	12	"		
Gammarus pseudolimnaeus	A	XIII	13	Holsinger 1972		
Caecidotea racovitzai racovitzai	A	X-III	18	Williams 1972		
Hygrobates	A	II	2	Peck et al 1990		
Tubificinae (with hairs)	A	I	1	Kathman Brinkhurst 1998		
~~Split Az Chironomidae~~	~~L~~	~~-II 2V~~				
Cladotanytarsus	L	I	1	Andersen et al 2013		
Rheotanytarsus	L	III	3	"		
Micropsectra	L	I	1	"		
Thienemanniella group	L	III	3	"	imm	N
Phaenopsectra obediens group	L	I	1	Epler 2001	imm	
Polypedilum (Uresipedilum) aviceps	L	II	2	Beltman 2012		