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)**
BEAVER CREEK	2129400	20181031-18-04

Sampling Location: DS bridge ~25m

Database Key: 169645822

SWIMS Station ID	**SWIMS Station Name**
183079	BEAVER CREEK AT 140TH AVE BDGE

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	LOWER EAU CLAIRE RIVER	EAU CLAIRE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MYCAL RALEIGH, Kristen Rathbun	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.**
1.5	2	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] 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)
- [ ] 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)**
	.2	4

Composition of Substrate Sampled (Percent):

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

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ 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	PL	U
Channelization: - Upstream	N	U
- Downstream	N	U
Hydraulic Scour / Channel Incision	PH	U
Impoundment: - Upstream	N	U
- Downstream	N	U
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	PL	U
Point Source - Specify:		
Pasturing of Livestock	N	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: Stream experiences scouring under bridge and areas of deposition and sedimentation during flood events

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
11/4/19	44 + 28 + 56 = 128 (A1 E2 A2)	

subsample archived in BBL until Jan 2023

Wisconsin Department of Natural Resources
ABL SampleNum: **20181031-18-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Beaver Creek**
SWIMS Database Key: **169645822**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	II	2	Klub 2016		
B. tricaudatus	L	-IIII	9	"		
Acerpenna macdunnoughi	L	I	1	"		
Ephemerella	L	-III	8	"	imm	N
E. invaria	L	X-	15	"		
Maccaffertium vicarium	L	III	3	"		
Paraleptophlebia	L	-II	7	"	dam/imm	N
P. mollis	L	I	1	"		
cordulegaster	L	I	1	Tennessen 2019	imm	
Allocapnia	L	II	2	Hils 1995		
Paracapnia angulata	L	II	2	Hitch 1974		
Haploperla	L	I	1	Hils 1995	imm	
Amphinemura	L	I	1	"	imm	
Isoperla	L	II	2	"	imm	N
I. transmarina	L	-IIII	9	Hils 1982		
Taeniopteryx burksi	L	I	1	Full Stew 1980		
Brachycentrus americanus	L	-I	6	Hils 1985		
Ceratopsyche sparna	L	III	4	Schm Hils 1986		
Neophylax	L	I	1	Hils 1995	imm	
Optioservus	L	II	2	Hils Schm 1992	imm	N
O. fastiditus	L	I	1	"		
Atherix variegata	L	I	1	Hils 1995		
~~et~~ Neoplasta	L	IIII	4	Court Merr 2008		
Simuliidae Reload Prosimul	L	I	1	ADD "	imm	
Chrysops	L	I	1	Hils 1995		
Hesperocorixa dolichophallus	L	III	3	"		
Lebertia	A	I	1	Pluchino 1984		
Limnesia	A	I	1	"		
Sperchon	A	I	1	"		
Naidinae	A	II	2	Brin Geld 1991		
Lumbriculus	A	I	1	Thorp Rog 2016		
~~Split A3 Chironomidae~~	L	+ JJD				
Orthocladiinae 08300000	L	I	1	Cranston 2013	imm	Y
Parametriocnemus	L	-III	8	And + 3 2013		
Rheocricotopus	L	I	1	"		
Chironominae 08330000	L	I	1	Cranston 2013	mt indet	N
Cladotanytarsus	L	-I	6	Epl et al 2013		

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Microspectra	L	II	2	Epl et al 2013		
Microtendipes rydalensis group	L	II	2	"		
Paratanytarsus longistilus	L	IIII	8	"		
Polypedilum (Polypedilum) albicorne	L	I	1	Bolton 2012		
P.(P.) illinoense group	L	III	3	"		
Tanytarsus	L	II	2	Epl et al 2013		