State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

2019
NCSR

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Instructions: **Bold** fields must be complete

Station Summary

Waterbody Name	Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD)
BEAVER CREEK	2182000	20191120-09-01

Sampling Location	Database Key
US culvert 3m	216258721

SWIMS Station ID	SWIMS Station Name
10052204	BEAVER CREEK AT 275TH 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	MCCANN CREEK AND FISHER RIVER	CHIPPEWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
MYCAL RALEIGH, Kristen Rathbun	WEST DISTRICT NC STREAM STRATIFIED SITES 2019

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 ___
75 min	1.5	1	Replicate No. 1 of 1

Reason For Sampling

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

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
1.11					

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)
	.2	4m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 25

Sand: 15 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 5 **Canopy Cover at Sample Site (%)** 10

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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	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	U
Sedimentation	N	U
Sludge	N	U
Thermal	U	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	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	Taxonomist	Estimated Percent of Sample Sorted
Rachael Valeria	Dimick, Jeffrey	3.3 %
Date Processed	**Specimens Saved**	
09/29/2020	subsample archived in ABL until Nov 2023	

A3 [Q4] D2 [Q1]
81 94 =175

Wisconsin Department of Natural Resources
ABL SampleNum: **20191120-09-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Beaver Creek**
SWIMS Database Key: **216258721**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	I	1	KWb 2016		
Maccaffertium vicarium	L	~~IIIIX~~	15	"		
Leptophlebia	L	X	10	MerrGummB 2019	mm	N
L. cupida	L	III	3	KWb 2016		
Stenacron	L	I	1	MerrGummB 2019	imm	
Allocapnia	L	8×A	52	"		
Isoperla signata	L	I	1	Wils 1982		
Sigara signata	A	I	1	Wils 1984a		
Cheumatopsyche	L	II	2	MerrGummB 2019		
Hydropsyche	L	III	3	Wils 1995	imm	N
H. betteni	L	II	2	SchmWils 1986		
Neophylax	L	I	1	MerrGummB 2019		
Oxyethira	L	I	1	"	imm	N
O. fastidiosus	L	I	1	WilsSchm 1992		
Bezzia/Palpomyia	L	I	1	Wils 1995		
Hemerodromia	L	II	2	MerrGummB 2019		
Neoplasta	L	I	1	"		
Prosimulium	L	II	2	"	imm	
Simulium	L	I	1	"	imm	
Dicranota	L	I	1	"		
Sperchontidae	A	I	1	Peck et al 1990		
Mermithidae	A	I	1	ThorpRog 2016		
Naididae	A	/	5	KathBrin 1998		
~~Split Aza Chironomidae~~	L	~~8×II~~				
~~Split Azb Chironomidae~~	L	~~8×II~~				
Thienemanniinyia group	L	I	1	And et al 2013	imm	
Orthocladiinae 08300000	L	III	3 ~~II~~	"	mt indet	N
Corynoneura	L	III	3	"		
Diplocladius	L	I	1	"		
Orthocladius	L	/	5	"		Y
O. (Orthocladius) oliveri	L	II	2	Bolton 2012		
Parametriocnemus	L	XII	12	And et al 2013		
Rheocricotopus	L	I	1	"		
Thienemanniella	L	IIII	4	"	imm	N
T. xena	L	-IIII	9	Bolton 2012		
Tvetenia bavarica group	L	III	3	Boce 1983		
Chironominae 08330000	L	I	1	And et al 2013	mt indet	N

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cladotanytarsus	L	-I	6	And et al 2013		
Paratanytarsus species A	L	II	2	Hils unpubl		
Polypedilum (Uresipedilum) aviceps	L	-III	8	Bolton 2012		
Tanytarsus	L	-III	8	And et al 2013		