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)**
LITTLE DRYWOOD CREEK	2155100	20181114-09-03

Sampling Location DS bridge ~15m — **Database Key** 169417046

SWIMS Station ID	**SWIMS Station Name**
10008670	6 - LITTLE DRYWOOD CREEK - 155TH AVE

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 YELLOW (CHIPPEWA CO.) RIVER	CHIPPEWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CHRISTOPHER J WILLGER, MYCAL C RALEIGH	BIG DRYWOOD/LITTLE DRYWOOD TWA 2018

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
- [x] Other: TWA

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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 30

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

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

Embeddedness of Substrate at Sample Site (%) 0 **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		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland	PH	
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Macayla Greider	Dimick, Jeffrey	13
Date Processed	**Specimens Saved**	
5/15/19	303 subsample archived in ABL until Jul 2022	

Sort %
Grids: B1 (106) C3 (197)
Vials: 1

Wisconsin Department of Natural Resources
ABL SampleNum: **20181114-09-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little Drywood Creek**
SWIMS Database Key: **169417046**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	IIII	4	Hils 1995		
Paracapnia angulata	L	-II	7	Hilsenhoff 1974		
Isoperla signata	L	x1	11	Hils 1982		
Taeniopteryx	L	1	1	Hils 1995	imm	N
T. burksi	L	1	1	Full Stew 1980		
T. nivalis	L	(1)1	4	"		
Acroneuria macdunnoughi	L	1	1	Klub 2016		
A. pygmaea	L	II	2	"		
Heptageniidae	L	1	1	"	imm	N
Leucrocuta	L	0-1	26	"		
Maccaffertium mediopunctatum	L	x111	13	"		
Paraleptophlebia	L	BBx111	98	"	imm	N
P. mollis	L	11	2	"		
Glossosoma nigrior	L	1	1	WymMor 2000		
Cheumatopsyche	L	1	1	Hils 1995		
Ceratopsyche	L	11	2	"	imm	N
C. alhedra	L	x-11	17	Schm Hils 1986		
C. bronta	L	1	1	"		
C. slossonae	L	x1111	14	"		
Chimarra	L	111	3	Hils 1995	imm	N
Ch. aterrima	L	1	1	Hils 1982		
Psychomyia flavida	L	1	1	Hils 1995		
Neophylax	L	111	3	"	imm	
Optioservus	L	11	2	Hils Schm 1992	imm	N
O. fastiditus	L	111	3	"		
Stenelmis	L	1	1	"		
~~Antoca~~ Prosimulium	L	II	2	Adl et al 2004	imm	
Antocha	L	-111	8	Hils 1995		
Caecidotea racovitzai racovitzai	A	II	2	Will 1972		
Dugesiidae	A	IIII	4	Thorp Rog 2016		
Tubificinae (without hairs)	A	1	1	Klemm 1985		
Naidinae	A	11	2	Brinkhurst 1971		
~~Subf Az~~ Chironomidae	L	8x JJD				
Parametriocnemus	L	-1111	9	Andt3 2013		
Thienemanniella	L	1	1	"	imm	
Tvetenia bavarica group	L	x1111	15	Bode 1983		

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Conchapelopia 08270200	L	-III	8	CranEpl 2013		
Thienemanniella group	L	III	3	"	imm	N
Diplocladius	L	II	2	And+3 2013		
Rheocricotopus	L	II	2	"		
Orthocladius (Orthocladius)	L	IIII	4	"		
Chironominae 08330000	L	I	1	Cranston 2013	mt indet	N
Micropsectra	L	×1	11	Epl et al 2013		
Phaenopsectra flavipes	L	I	1	Bolton 2012		
Ph. obediens group	L	I	1	Epler 2001		Y
Polypedilum (Uresipedilum) flavum	L	II	2	Bolton 2012		
stempellinella	L	III	3	Epl et al 2013		
Tanytarsus	L	-IIII	9	"		