State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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 WILLOW CREEK	1221300	20171003-53-01

Sampling Location	Database Key
	150534776

SWIMS Station ID	SWIMS Station Name
10012231	LITTLE WILLOW AT SPIRAL RD.

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
43.345383	-90.304726	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	Watershed Name	County
LOWER WISCONSIN	WILLOW CREEK	RICHLAND

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
AMRHEIN, JAMES	SOUTH DISTRICT NC STREAM STRATIFIED SITES 2017

Sampling Device

- [X] D-Frame Kick Net
- [ ] Ponar
- [ ] Surber Sampler
- [ ] Artificial Substrate
- [ ] Eckman
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [ ] Other
- [ ] Littoral Zone
- [x] Run
- [ ] Shoreline Composite
- [ ] Profundal Zone
- [ ] Pool
- [ ] Proportionally-Sampled Habitat
- [ ] Wetland

Total Sampling Time (min)	Estimated Area Sampled (m^2)	Number of Samples in Composite	Replicate No. ____ of ____
4.0	3.0	0	

Reason For Sampling

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

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

Water Color

- [ ] Clear
- [x] 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)
	0.20	3.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 40 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 10

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 0

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

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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	PH	
- Planktonic Algae		
Iron Bacteria	PL	
Macrophytes	N	
Slimes	N	
Other - Specify:		
Physical		
Bank Erosion	PH	PH
Channelization: - Upstream		
- Dow nstream		
Hydraulic Scour / Channel Incision	PH	PH
Impoundment: - Upstream		
- Dow nstream		
Low Flow		
Sedimentation	PH	PH
Sludge		
Thermal		
Turbidity	PH	PH
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	
Dissolved Oxygen		
Nutrients (P, N...)	PH	
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	PH	PH
Point Source - Specify:	N	N
Pasturing of Livestock	PH	PH
Runoff: - Barnyard	PH	
- Construction	N	N
- Cropland	PH	PH
- Urban	N	N
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: Kaywilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13%
Date Processed: 7/16/18	Specimens Saved: subsample archived in DBL until Nov 2021	

J = 61 D?

Wisconsin Department of Natural Resources
ABL SampleNum: **20171003-53-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little Willow Creek**
SWIMS Database Key: **150534776**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	Klub 2016	dam	N
Baetis brunneicolor	L	x-III	18	"		
B. tricaudatus	L	1	1	"		
Heptagenia elegantula	L	1	1	"		
Maccaffertium vicarium	L	II	2	"		
caloptenycidae	L	1	1	west May 1996	imm	
Brachycentrus occidentalis	L	1	1	Wils 1995		
Idiocopsyche borealis	L	1	1	Wils 1995		
Hydropsychidae	L	II	2	"	imm	N
Hydropsyche betteni	L	-	5	Schm Wils 1986		
Ceratopsyche slossonae	L	IIII	4	"		
C. sparna	L	1	1	"		
Optioservus fastidiosus L.1 A.2	L,A	II	2	Wils Schm 1992		
Atherix variegata	L	1	1	Wils 1995		
Simulium tuberosum species complex	L	1	1	Adl et al 2004		
Antocha		II	2	Wils 1995		
Gammarus pseudolimnaeus	A	II	2	Wils 1972		
Caecidotea ~~intermedius~~ brevicauda brevicauda	A	-IIII	8	Will 1972		
Dugesiidae	A	1	1	Thorp Rog 2016		
~~Split A3 Chironomidae~~	L	IIII				
Tanypodinae	L	II	2	Cranston 2013	imm	N
Conchapelopia 08270700	L	/	5	Cran Epl 2013		
Thienemanniella group	L	-II	7	"	imm	N
Orthocladiinae 08380000	L	1	1	Cranston 2013	imm	N
Brillia	L	IIII	4	Ander+3 2013	mt indet/ imm	
Tvetenia bavarica group	L	1	1	Bode 1983		
Cricotopus / Orthocladius	L	III	3	Ferr et al 2008	imm	Y
Cricotopus (Cricotopus) bicinctus group	L	1	1	Ander+3 2013		
C.(C.) trifascia group	L	II	2	"		
Chironominae 08330000	L	III	3	Cranston 2013	imm	N
Chironomus	L	1	1	Epl et al 2013		
Microtendipes	L	III	3	"		
Microtendipes pedellus group	L	1	1	"		
Parachaetocladius	L	-III	8	"	mt indet	N
P. sp. A	L	x	10	Wils unpubl		
P. longistilus	L	1	1	Epl et al 2013		

Wisconsin Department of Natural Resources
ABL SampleNum: **20171003-53-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little Willow Creek**
SWIMS Database Key: **150534776**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Polypedilum	L	1	1	Epl et al 2013	immm	N
P. (Tresipedilum) aviceps	L	-IIII	9	Bolton 2012		
Rheotanytarsus	L	xI	11	Epl et al 2013		