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)**
PIPE CREEK	132800	20171025-20-04

Sampling Location	**Database Key**
	149424476

SWIMS Station ID	**SWIMS Station Name**
10016803	PIPE CREEK - PIPE CREEK - 30 FEET ABOVE HWY 151BRIDGE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.9184127	-88.3103369	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
UPPER FOX	LAKE WINNEBAGO - EAST	FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	PIPE CREEK TWA 2017

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 ____**
3	2.5		

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
46.6°F	7.9	67.1	7.8	845.3	25

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)**
	0.15	2.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 50

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

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

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 100

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Justin Kowalski	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
3/18/18	Subsample archived in ABL until Jun 2021	

A1 B3 E2
50 30 67

Wisconsin Department of Natural Resources
ABL SampleNum: **20171025-20-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Pipe Creek**
SWIMS Database Key: **149424476**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	-1	6	Kluberteanz 2016	Hilsenhoff 1995	
Baetis brunneicolor	L	-1	6	Kluberteanz 2016		
B-flavistriga species complex	L	II	2	"		
Cheumatopsyche	L	X	10	Hilsenhoff 1995		
Hydropsyche betteni	L	II	2	Schm, Hils 1986		
Simulium	L	1	1	Adler et al 2004	dam	N
S. vittatum species complex 08110217	L	II	2	"		
S. jenningsi species group	L	1	1	"		
Tipula	L	1	1	Hilsenhoff 1995		
Coecidotea intermedia	A	80-III	68	Williams 1972		
tubificoid Naididae w/o hair chaetae	A	8-III	38	Erseus et al 2008		Y
tubificoid Naididae w/ hair chaetae	A	1	1	"		Y
Erpobdellidae	A	1	1	Davies 1991	dam	N
Mooreobdella microstoma	A	-II	7	Klemm 1985		
Physa	A	II	2	Rogers 2016		
Pisidium	A	II	2	Burch 1972		
Cheumatopsyche	L	II	2	Anderson 2013		
Diplocladius	L	1	1	"		
Hydroboenus	L	II	2	"		
Parametriocnemus	L	-1	6	"		
Chironominae 08330000	L	1	1	Cranston 2013	dam	N
Cryptochironomus	L	II	2	Epler et al 2013		
Micropsectra	L	X	10	"		
Parachaetocladius	L	1	1	"	not indet	
Paratendipes	L	III	23	"		
Phaenopsectra	L	1	1	"	not indet	N
Ph. punctipes	L	1	1	Bolton 2012		
Polypedilum (Uresipedilum) flavum	L	III	4	"		

<3 taxa, TWAL ≤ 2.0