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)**
WISCONSIN RIVER	1179900	20171102-64-01

Sampling Location	**Database Key**
D.S. Hwy 45 Bridge (Landy up to Bridge)	149851995

SWIMS Station ID	**SWIMS Station Name**
643032	WISCONSIN RIVER AT USH 45 NR LAND O LAKES

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
46.1402417	-89.2069007	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
UPPER WISCONSIN	TAMARACK PIONEER RIVER	VILAS

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JAMES KLOSIEWSKI	NORTH DISTRICT NC STREAM STRATIFIED SITES 2017

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [X] Run
- [ ] Pool
- [X] Other (overhanging veg.)
- [ ] 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** ___
8 min.	3^2	1	Replicate No. 1 of 1

Reason For Sampling

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

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

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] 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)**

Composition of Substrate Sampled (Percent):

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

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

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)

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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Dow nstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13%
Date Processed: 6/20/18	Specimens Saved: Subsample archived in ABL until Oct 2021	

C2=113

E3=194

Wisconsin Department of Natural Resources
ABL SampleNum: **20171102-64-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Wisconsin River**
SWIMS Database Key: **149851995**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx nivalis	L	I	1	Full stew 1980		
Callibaetis	L	III	3	Klub 2016		
Acerpenna	L	I	1	"	dam	N
A. pygmaea	L	IIII	5	"		
Caenis latipennis	L	III	3	"		
Eurylophella	L	I	1	"	imm	N
E. temporalis	L	I	1	"		
Stenacron	L	II	2	"	imm	N
S. interpunctatum	L	-III	8	"		
Maccaffertium vicarium	L	III	3	"		
Leptophlebia	L	x IIII	19	"	imm	
Calopteryx	L	I	1	West May 1996	imm	N
C. maculata	L	II	2	"		
Argia fumipennis violacea	L	I	1	"		
Coenagrionidae	L	I	1	"	imm	Y
Cheumatopsyche	L	-IIII	9	Hils 1995		
Ceratopsyche vexa	L	xII	12	Schm Hils 1986		
Oxyethira	L	x-II	17	Hils 1995		
Hydroptila	L	I	1	"		
Mystacides sepulchralis	L	II	2	Bright 2013		
Triaenodes melaca	L	I	1	Glover 1996		
Limnephilidae	L	OI	21	Hils 1995	imm	
Neureclipsis	L	IIII	5	"		
Optioservus	L	I	1	Hils Schm 1992	imm	N
O. fastiditus	L	-II	7	"		
Stenelmis	L	I	1	"		
Simuliidae	L	I	1	Adler et al 2004		
Cranogyx	A	I	1	Holsinger 1972		
Hyalella azteca	A	0-1	26			
Caecidotea racovitzai racovitzai	A	-II	7	Will 1972		
Hesperocorixa minorella	A	I	1	Hils 1984a		
Dugesiidae	A	III	3	Thorp Rog 2016		
Tubificinae (without hairs)	A	II	2	Brinkeld 1991		
Pisidium	A	II	2	Burch 1972		
Sphaerium	A	III	3	"		
~~Split A3 Chironomidae~~	~~L~~	~~xIIII WP~~				

Wisconsin Department of Natural Resources
ABL SampleNum: **20171102-64-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Wisconsin River**
SWIMS Database Key: **149851995**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Conchapelopia 08270700	L	/	5	Coon Epl 2013		
Pentaneura inconspicua	L	-111	8	"		
Zavrelimyia 08273000	L	1	1	"		
Thienemanniella group	L	111	3	"		
Orthocladiinae 08300000	L	11	2	Cranston 2013	not indet	N
Corynoneura	L	1	1	Ander+3 2013		
Diplocladius	L	11	2	"		
Eukiefferiella	L	1	1	"	not indet	
Limnophyes	L	1	1	"		
Parakiefferiella	L	11	2	"		
Parametriocnemus	L	11	2	"		
Synorthocladius	L	-1	6	"		
Thienemanniella lobapodema	L	1	1	Bolton 2012		
Tvetenia discoloripes group	L	1111	4	Bode 1983		
Nanocladius (Plecopteracoluthus)	L	1	1	Ander+3 2013	imm	
orthocladius (Symposiocladius) annectens	L	-1	6	Bolton 2012		
Cricotopus/Orthocladius	L	1111	4	Ferr et al 2008	imm	Y
Chironominae 08330000	L	11	2	Cranston 2013	not indet	N
cladotanytarsus	L	11	2	Epl et al 2013		
cryptochironomus	L	1	1	"		
Microspectra	L	x1111	14	"		
Microtendipes pedalensis group	L	1	1	"		
Paratanytarsus	L	1	1	"	not indet	
Phaenopsectra	L	11	2	"	imm	N
Ph. punctipes group	L	1	1	Epler 2001	imm	
Polypedilum (Polypedilum) illinoense group	L	11	2	Bolton 2012		
P. (Uresipedilum) flavum	L	-11	7	"		
Rheotanytarsus	L	011	22	Epl et al 2013		
Tanytarsus	L	511	32	"		