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)**
DEVILS RIVER	89900	20190918-36-04

Sampling Location	**Database Key**
Pleasant Road	209711193

SWIMS Station ID	**SWIMS Station Name**
10009230	DEVILS R. (PLEASANT RD.) STOCKING

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

Basin (WMU)	**Watershed Name**	**County**
TWIN - DOOR - KEWAUNEE	WEST TWIN RIVER	MANITOWOC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MARY GANSBERG	NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 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** ____
2	2.3	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
18.2	9.3	98.0	8.2	617	—

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)
- [X] 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)**
	0.3	10

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 20

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

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 20

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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		
- 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: Cook, Natalie	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 7%
Date Processed: 11/19/2019	Specimens Saved: Subsample archived in ABL until Aug 2023	

D2-141

Wisconsin Department of Natural Resources
ABL SampleNum: **20190918-36-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Devils River**
SWIMS Database Key: **209711193**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	III	3	Klvb 2016	dam	N
B. intercalaris	L	II	2	"		
B. tricaudatus	L	I	1	"		
B. flavistriga species complex	L	IIII	23	"		
Teloganopsis deficiens	L	OI	21	"		
Heptageniidae	L	III	3	"	dam	N
Leverowia	L	-IIII	9	"		
Maccaffertium	L	I	1	"	imm	N
M. vicarium	L	IIII	4	"		
Ceratopsyche	L	I	1	Hrls 1995	dam	N
C. alhedra	L	II	2	Schm Hrls 1986		
C. bronta	L	II	2	"		
C. slossonae	L	X	10	"		
Cheumatopsyche	L	I	1	Hrls 1995		
Leucotrichia pictipes	L	III	3	"		
Chimarra aterrima	L	I	1	Hrls 1982		
Bychomyia flavida	L	I	1	Hrls 1995		
Optioservus	L	X III	13	Hrls Schm 1992	imm	N
O. fastidiosus L, 6 A, 1	LA	-II	7	"		
Stenelmis	L	IIII	4	"		
Psephenus herricki	L	IIII	4	"		
Atherix variegata	L	SSD II	2	Hrls 1995		
Antocha	L	III	3	"		
Dicranota	L	)	1	"		
Paramerocnemus	P	I	1	Merr Gmm B 2019		
Micropsectra	P	III	3	"		
Caecidotea	A	I	1	Will 1972	imm	
Hygrobates	A	II	2	Pluchino 1984		
Dugesiidae	A	I	1	Thorp Rog 2016		
Tubificinae (with hairs)	A	I	1	Klemm 1985		
Pisidium	A	I	1	Mackie 2007		
Eukiefferiella devonica group	L	III	3	And + 3 2013		
Diamesa	L	I	1	Saeth And 2013		
Orthocladiinae 08300000	L	I	1	Cranston 2013	mt indet	N
Cricotopus (cricotopus) tremulus group	L	I	1	And + 3 2013		
Orthocladius (orthocladius)	L	II	2	"		
Tvetenia bavarica group	L	II	2	Bode 1983		

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Microspectra	L	III	3	Epl et al 2013		N
Microtendipes pedellus Group	L	I	1	"		
Polypedilum (Uresipedilum) flavum	L	I	1	Bolton 2012		
Rheotanytarsus	L	I	1	Epl et al 2013		