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)**
PLATTE RIVER	943600	20211014-22-03

Sampling Location	**Database Key**
~40m US of old Bridge	287123932

SWIMS Station ID	**SWIMS Station Name**
10054826	PLATTE RIVER AT CTH A

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.84140	-90.59998	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
GRANT - PLATTE	PLATTE RIVER	GRANT

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CAMILLE BRUHN	PLATTE RIVER HUC10 (UPPER HALF) TWA 2021

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** ____
1	1		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Targeted Watershed Assessment (Platte) Upper ½

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
14.1	9.06	87.5	8.65	661	

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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 50

Sand: 10 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		
- 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
Katherine McClure	Dimick, Jeffrey	25%
Date Processed	**Specimens Saved**	
6/9/22	Subsample archived in ABL until Aug 2022	

A191:4 C292:7 D393:9 B494:4
A194:9 C291:12 D392:9 B491:5
A193:4 C293:7 D394:11 B493:9
A192:9 C294:12 D391:6 B492:12

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Wisconsin Department of Natural Resources
ABL SampleNum: **20211014-22-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Platte River**
SWIMS Database Key: **287123932**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Plauditus	L	I	1	MCB 2019	dam	
Maccaffertium	L	I	1	Klub 2016	imm	Y
M. mediopunctatum	L	-IIII	9	"		
Stenacron	L	II	2	MCB 2019		
Ceratopsyche bronta	L	D	20	Schmidt 1986		
C morosa bifida form	L	-II	7	"		
Cheumatopsyche	L	XIII	13	MCB 2019		
Hydropsyche betteni	L	IIII	4	Schmidt 1986		
Hydroptila	L	XIII	13	MCB 2019		
Optioservus	L	II	2	"	imm	N
O. fastiditus	L	-II	7	Hilsenhoff 1992		
Stenelmis	L	I	1	MCB 2019		N
S. crenata	A	I	1	Hilsenhoff 1992		
Orthocladius (orthocladius)	P	I	1	Wiederholm 1986		N
Hemerodromia	L	II	2	MCB 2019		
Antocha	L	I	1	"		
Gammarus pseudolimnaeus	A	-I	6	Holsapple 1972		
Naidinae	A	II	2	Kathman Brinkhurst 1998		
Tubificinae (without hairs)	A	I	1	"		
~~Subfamily Chironomidae~~	L	~~XIIII~~				
Diamesa	L	I	1	Andersen et al 2013		
Cricotopus (Cricotopus) trifascia group	L	II	2	"		
Micropsectra pedellus group	L	D	20	"		
Orthocladiinae	L	I	1	"	imm	N
Cricotopus (Cricotopus) bicinctus group	L	II	2	"		
C (C.) tremulus group	L	II	2	"		
Orthocladius (Orthocladius)	L	III	3	"		
Chironomus	L	IIII	4	"		
Dicrotendipes	L	I	1	"		
Pseudosmittia obediens group	L	II	2	Epler 2001	imm	
Polypedilum (Uresipedilum) flavum	L	III	3	Bolton 2012		
Sublettea	L	I	1	Andersen et al 2013		