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)**
SHEBOYGAN RIVER	50700	20211027-20-01

Sampling Location	**Database Key**
	286597363

SWIMS Station ID	**SWIMS Station Name**
203096	SHEBOYGAN RIVER AT HWY T

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.7557373	-88.2670942	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
SHEBOYGAN	SHEBOYGAN RIVER	FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	NER LONG-TERM TREND WADEABLE REFERENCE STREAM

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	1	

Reason For Sampling

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

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

Water Color

- [X] Clear
- [ ] 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)**
	0.05	5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 1 Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 70

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

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

Embeddedness of Substrate at Sample Site (%) 10 **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	N	N
- Filamentous Algae	PL	PH
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PH	PH
Channelization: - Upstream	PH	PH
- Downstream	PH	PH
Hydraulic Scour / Channel Incision	PL	PL
Impoundment: - Upstream	N	N
- Downstream	PH	PL
Low Flow	PH	PH
Sedimentation	PH	PH
Sludge	N	N
Thermal	PH	PH
Turbidity	PH	PH
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
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	PL
- Construction	N	N
- Cropland	PH	PH
- Urban	N	N
Septic Systems	PL	PL
Tile Drainage - Organic Soils	PH	PH
- 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
Reed, Kayla	Dimick, Jeffrey	R1 9.4% / R2 7.8%
Date Processed	**Specimens Saved**	
R1 10-10-22 / R2 10-11-22	R1 145 / R2 158 subsamples archived in BBL until Jan 2026	

R1
C1 q2: 24
q1: 24
q3: 18
q4:

C4 q1: 27
q3: 30
q2: 22
q4:

R2
D1 q1: 20
q2: 55 ↔ q3:
q4: 36
q2:

C4 q4: 47
q3:
q1:
q2:

Wisconsin Department of Natural Resources
ABL SampleNum: **20211027-20-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Sheboygan River**
SWIMS Database Key: **286597363**

Taxa	Life Stage	Organism Count Rep 1	Rep 2	Rep 3	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	0	1		MCB 2019		
Ceratopsyche	L	0	1		Hils 1995	imm	N
C. bronta	L	8	10		Schm Hils 1986		
C. slossonae	L	2	1		"		
Cheumatopsyche	L	12	16		MCB 2019		
Hydropsyche betteni	L	4	3		Schm Hils 1986		
H. cuanis	L	1	0		"		
Hydroptila	L	2	4		MCB 2019		
Limnephilidae	L	0	1		"	imm	N
Limnephilus	L	0	1		"		
Pycnopsyche	L	0	1		"		
Dubiraphia	L	1	1		"		N
D. quadrinotata	A	0	2		Hils Schm 1992		
Macronychus glabratus	L	0	1		Hils 1995		
Optioservus	L	20	18		MCB 2019	imm	N
O. fastiditus R1 L,4 A,2 R2 L,1 A,3	L,A	6	4		Hils Schm 1992		
Stenelmis	L	19	23		MCB 2019		N
S. crenata	A	1	2		Hils Schm 1992		
Ectopria	L	0	1		MCB 2019	mm	
Probezzia	L	0	1		Hils 1995		
Orthocladiinae	P	1	0		MCB 2019	dam	N
Nemerodromia	L	4	4		"		
Chrysops	L	0	2		"		
Antocha	L	0	2		"		
Dicranota	L	2	1		"		
Gammarus pseudolimnaeus	A	10	4		Hils 1972		
Dugesiidae	A	1	0		Thorp Rog 2016		
Physa	A	0	1		"		
Pisidium	A	0	1		"		
Naidinae	A	9	7		Kath Brin 1998		
Tubificinae (with hairs)	A	0	1		"		Y
Tubificinae (without hairs)	A	13	11		"		Y
~~Split As Chironomidae~~	~~L~~	~~23~~	~~20~~	JV			
Conchapelopia	L	0	3		Anderetal 2013		
Nilotanypus	L	0	1		"		
Procladius (Holotanypus)	L	1	0		"		
Potthastia longimana group	L	0	1		"		
Orthocladiinae	L	3	1		"	imm	N
Eukiefferiella	L	0	1		"	dam	
Orthocladius (orthocladius)	L	2	0		"		

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Parakiefferiella	L	0	3		Anderetal 2013		
Parametriocnemus	L	1	0		"		
Rheocricotopus	L	0	1		"		
Thienemanniella	L	1	0		"	imm	
Tvetenia bavarica group	L	5	3		Bode 1983		
Chironominae	L	2	0		Anderetal 2013	imm	N
Chironomus	L	0	1		"		
cladotanytarsus	L	10	10		"		
cryptochironomus	L	4	8		"		
Microtendipes pedellus group	L	7	13		"		
Paratanytarsus species A	L	1	3		Hils unpubl		
Paratendipes	L	4	0		Anderetal 2013		
Phaenopsectra obediens group	L	2	2		Eder 2001	imm	
Polypedilum (Polypedilum) illinoense group	L	0	1		Bolton 2012		
Rheotanytarsus	L	8	10		Anderetal 2013		
Tanytarsus	L	1	2		"		