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	20191016-20-01

Sampling Location	**Database Key**
US Hwy T	210277291

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

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
same as station		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** ____
4	1.5	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)**
8.4	10.7	93.7	7.8	650.0	115

Water Color

- [X] Clear
- [ ] Turbid
- [ ] 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)**
	0.2	5

Composition of Substrate Sampled (Percent):

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

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 40 **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

2:00 - 3:30] 45
11:00 - 2:00]

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Isabel Dunn	Dimick, Jeffrey	22%
Date Processed	Specimens Saved	
10/17/2020	Subsample archived in ABL cnAM1 Dec 2023	

B2
Q3: 10
Q2: 13
Q1:] 11
Q4:]

E2
Q4: 16
Q2: 8
Q1:] 14
Q3:]

B3
Q1:]
Q2:]
Q3:] 43
Q4:]

E1
Q1: 10

A2

A1

(125)

72 115 125

Wisconsin Department of Natural Resources
ABL SampleNum: **20191016-20-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Sheboygan River**
SWIMS Database Key: **210277291**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	II	2	Klub 2016		
Stenacron	L	II	2	MerrSummB 2019		
Helicopsyche borealis	L	0	30	Hils 1995		
Ceratopsyche	L	II	2	"	rmm	N
C. bronta	L	I	1	SchmHils 1986		
Cheumatopsyche	L	III	3	MerrSummB 2019		
Hydropsyche betteni	L	I	1	SchmHils 1986		
Neophylax	L	II	2	MerrSummB 2019	rmm	
Macronychus glabratus	L	I	1	HilsSchm 1992		
Optioservus	L	0 IIII	24	MerrSummB 2019	rmm	N
O. fastiditus L, 13 A, 2	L,A	XF	15	HilsSchm 1992		
Stenelmis	L	01	21	MerrSummB 2019		N
S. crenata	A	III	3	HilsSchm 1992		
Hemerodromia	L	II	2	MerrSummB 2019		
Chrysops	L	II	2	"		
Antocha	L	I	1	"		
Dicranota	L	/	5	"		
Gammarus pseudolimnaeus	A	IIII	4	Hols 1972		
Caecidotea	A	II	2	ThorpRog 2016	fem/imm	
Dugesiidae	A	(	1	"		
Hygrobates	A	I	1	Peck et al 1990		
Pisidium	A	I	1	ThorpRog 2016		
Sphaerium simile	A	III	3	Mackie 2007		
Tubificinae (without hairs)	A	XII	12	KathBrin 1998		
~~Split A2~~ Chironomidae Tvetenia bavarica group	L	I	1	Bode 1983		
Cladotanytarsus	L	I	1	Andet al 2013		
Microtendipes pedellus group	L	II	2	"		
Tipula	L	I	1	MerrSummB 2019		
Rheotanytarsus	L	I	1	Andet al 2013		