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	20161118-20-01

Sampling Location	**Database Key**
	133649587

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 STREAMS

Sampling Device

- [X] 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
- [X] 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)**
53.2 F	11.53	107.8	8.09	786.7	

Water Color

- [✓] Clear
- [ ] Turbid
- [ ] 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)**
	0.2	6

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 70

Sand: 10 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 (%)** 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	PH	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
- Dow nstream	PH	PH
Hydraulic Scour / Channel Incision	PL	PL
Impoundment: - Upstream	N	N
- Dow nstream	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	U	U
Nutrients (P, N...)	PH	PH
Toxics: - Inorganic (Metals)	U	U
- Organic (PCBs, pesticides...)	U	U
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
Kayla Wilcox	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
10/5	Subsample archived in SBL until Dec 2020	

B1 4/1 D256
C3 26
A1 4/1

764

Wisconsin Department of Natural Resources
ABL SampleNum: **20161118-20-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Sheboygan River**
SWIMS Database Key: **133649587**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	I	1	Hilsenhoff 1995		
Baetis brunneicolor	L	I	1	Klubertanz 2016		
Stenacron interpunctatum	L	II	2	"		
Rheumatopsyche	L	XI	11	Hilsenhoff 1995		
Hydropsyche betteni	L	-	5	Schm, Hilk. 1986		
Ceratopsyche bronta	L	I	1	"		
C. slossonae	L	-	5	"		
Pycnopsyche	L	I	1	Hilsenhoff 1995		
Chimarra aterrima	L	I	1	Hilsenhoff 1982		
Neophylax	L	III	3	Hilsenhoff 1995	imm	
Dubiraphia quadrinotata	A	I	1	Hilk, Schm. 1992		
Optioservus	L	XII	12	"	imm	N
O. fastiditus L, 9 A, ~~4~~ 8 JJD	L, A	X-III	17	"		
Stenelmis	L	X D-III	38	"		N
S. crenata	A	-III	8	"		
Echinria leechi/nervosa	L	I	1	"		
Lioderus affinis	A	I	1	Hilsenhoff 1994		
Chrysops	L	I	1	Hilsenhoff 1995		
Antocha	L	III	3	"		
Dicranota	L	-	5	"		
Gammarus pseudolimnaeus	A	-II	7	Helsinger 1972		
Tubificinae w/o capilliform chaetae	A	III	3	Klemm 1985		Y
Tubificinae w/ capilliform chaetae	A	II	2	"		Y
~~Split #3 Chironomidae~~	~~L~~	~~I+JJD~~				
Meropelopia	L	I	1	Cran., Ende 2013		
Pothastia longimana group	L	I	1	Saeth. Ander. 2013		
Orthocladiinae	L	I	1	Cranston 2013	dam	N
Eukiefferiella brehmi group	L	-I	6	Ander. +3 2013		
Parakiefferiella	L	-	5	"		
Tvetenia bavarica group	L	-II	7	Bode 1983		
Orthocladius (Orthocladius)	L	-	5	Ander. +3 2013		
Polypedilum (Tripodura) scalaenum group	L	III	3	Bolton 2012		