

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name SHEBOYGAN RIVER		Waterbody ID Code 50700	Sample ID (YYYYMMDD-CY-FD) 20201016-20-02
Sampling Location			Database Key 250550817
SWIMS Station ID 203096	SWIMS Station Name SHEBOYGAN RIVER AT HWY T		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SHEBOYGAN	Watershed Name SHEBOYGAN RIVER	County FOND DU LAC	

Sample and Site Descriptors

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

D-Frame Kick Net
 Surber Sampler
 Eckman
 Ponar
 Artificial Substrate
 Hess Sampler
 Other: _____

Habitat Sampled

Riffle
 Run
 Pool
 Other
 Shoreline Composite
 Proportionally-Sampled Habitat
 Littoral Zone
 Profundal Zone
 Wetland

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 1.2	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 9.3	D.O. (mg/l) 12.9	D.O. (% sat.) 114.5	pH (su) 8.2	Conductivity (umhos/cm) 748.4	Transparency (cm) 120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 4.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 70
 Sand: _____ Clay: _____ Silt/Muck: 30 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 0

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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	PH	PH	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:	N	N	Sources of Stream Impacts		
			Bank Erosion	PH	PH
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	PL
Bank Erosion	PH	PH	Runoff: - Barnyard	N	PL
Channelization: - Upstream	PH	PH	- Construction	N	N
- Downstream	PH	PH	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	PL	PL	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	PL	PL
- Downstream	PH	PL	Tile Drainage - Organic Soils	PH	PH
Low Flow	PH	PH	- Mineral Soils	PH	PH
Sedimentation	PH	PH	Springs	N	N
Sludge	N	N	Tributary(s)	PL	PH
Thermal	PH	PH	Wetland	N	N
Turbidity	PH	PH	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Raatz, Trevor	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 4.7%
Date Processed 12/3/2021	Specimens Saved Subsample archived in ABC until Feb 2025	

A3Q3:39+42:81
 C1Q2:25:106
 A3Q2:38:144

144

Wisconsin Department of Natural Resources

ABL SampleNum: 20201016-20-02

Taxonomist: Dimick, Jeffrey

Waterbody: Sheboygan River

SWIMS Database Key: 250550817

Page 1 of 2

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L	I	1	Kleb 2016		
<i>Allacma</i>	L	II	2	MCB 2019		
<i>Ceratopsyche bronata</i>	L	III	4	Schm Hils 1986		
<i>C. slossonae</i>	L	III	4	"		
<i>Cheumatopsyche</i>	L	0-1	26	MCB 2019		
<i>Ceratopsyche</i>	L	I	1	Hils 1985	imm	N
<i>Hydropsyche</i>	L	I	1	"	imm	N
<i>H. ketteni</i>	L	XIII	14	Schm Hils 1986		
Limnephilidae	L	II	3	MCB 2019	imm	
<i>Optioservus</i>	L	0-III	29	"	imm	N
<i>O. fastidius</i>	L	III	3	Hils Schm 1982		
<i>Stenelmis</i>	L	X-III	20	MCB 2019		N
<i>S. crenata</i>	A	I	1	Hils Schm 1982		
<i>Ectopora</i>	L	I	1	MCB 2019	imm	
<i>Thienemannella</i>	P	I	1	"		N
<i>Tritenia</i>	P	II	2	"		N
<i>Nemerodromia</i>	L	III	4	"		
<i>Antocha</i>	L	III	4	"		
<i>Dicranota</i>	L	III	3	"		
<i>Gammarus pseudolimnoides</i>	A	imm	9	Hils 1972		
Caecidotea	A	I	1	Thorp Bog 2016	fem	
Naididae	A	III	4	Kath Brim 1988		
Tubificinae (without hairs)	A	III	3	"		
Empididae	L	I	1	MCB 2019	dam	N
Split A2 Chironomidae	L	X-III				
<i>Tritenia basarrea</i> group	L	I	1	Bede 1983		
<i>Cryptochironomus</i>	L	I	1	And et al 2013		
<i>Microtendipes pedellus</i> group	L	III	5	"		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L	I	1	"		
<i>Thienemannella xena</i>	L	I	1	Bolton 2012		
Chironominae	L	II	2	And et al 2013	imm	N
<i>Micropsectra</i>	L	I	1	"		
<i>Paratanytarsus</i>	L	I	1	"	mt indet	
<i>Polypedilum</i> (<i>Polypedilum</i>) <i>illinoense</i> group	L	II	2	Bolton 2012		
<i>P. (tripodum) scalaeum</i> group	L	I	1	"		
<i>P. (Uresipedium) flavum</i>	L	I	1	"		

Time	Temperature	Humidity	Wind Speed	Wind Direction	Cloud Cover	Pressure	Visibility	Remarks
08:00	22.5	65	1.2	SE	10	1013.2	10	Clear
09:00	23.0	68	1.5	SE	15	1013.5	10	Light clouds
10:00	23.5	70	1.8	SE	20	1013.8	10	Increasing clouds
11:00	24.0	72	2.0	SE	30	1014.0	10	Clouds increasing
12:00	24.5	75	2.2	SE	40	1014.2	10	Overcast
13:00	25.0	78	2.5	SE	50	1014.5	10	Thunder
14:00	25.5	80	2.8	SE	60	1014.8	10	Thunder
15:00	26.0	82	3.0	SE	70	1015.0	10	Thunder
16:00	26.5	85	3.2	SE	80	1015.2	10	Thunder
17:00	27.0	88	3.5	SE	90	1015.5	10	Thunder
18:00	27.5	90	3.8	SE	100	1015.8	10	Thunder
19:00	28.0	92	4.0	SE	100	1016.0	10	Thunder
20:00	28.5	95	4.2	SE	100	1016.2	10	Thunder
21:00	29.0	98	4.5	SE	100	1016.5	10	Thunder
22:00	29.5	100	4.8	SE	100	1016.8	10	Thunder
23:00	30.0	100	5.0	SE	100	1017.0	10	Thunder
00:00	30.5	100	5.2	SE	100	1017.2	10	Thunder
01:00	31.0	100	5.5	SE	100	1017.5	10	Thunder
02:00	31.5	100	5.8	SE	100	1017.8	10	Thunder
03:00	32.0	100	6.0	SE	100	1018.0	10	Thunder
04:00	32.5	100	6.2	SE	100	1018.2	10	Thunder
05:00	33.0	100	6.5	SE	100	1018.5	10	Thunder
06:00	33.5	100	6.8	SE	100	1018.8	10	Thunder
07:00	34.0	100	7.0	SE	100	1019.0	10	Thunder

