

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name SHEBOYGAN RIVER		Waterbody ID Code 50700	Sample ID (YYYYMMDD-CY-FD) 20171018-20-01
Sampling Location			Database Key 149253199
SWIMS Station ID 203096		SWIMS Station Name SHEBOYGAN RIVER AT HWY T	
Latitude 43.7557373	Longitude -88.2670942	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 STREAMS

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) 1.5	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) 10.9	D.O. (mg/l) 10.2	D.O. (%sat.) 94.3	pH (su) 8.2	Conductivity (umhos/cm) 785.0	Transparency (cm) 49
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" 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) 6.1
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 50
 Sand: 40 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 (%)** 50

B2 = 113 > 226
 E2 = 113

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:			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 Czarnecki, Kirsten	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13
Date Processed 10/26/2018	Specimens Saved subsample archived in ABL until Jan 2022	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	III	4	Klub 2016		
Idoptageniidae	L	I	1	"		
Stenocranus	L	-	5	"	imm	N
S. interpunctatum	L	III	3	"		
Helicopsyche borealis	L	IIII	4	Hils 1995		
Chaetopsyche	L	0-III	29	"		
Hydropsyche betteni	L	XII	12	Schm Hils 1986		
Ceratopsyche	L	I	1	Hils 1995	imm	N
C. bronta	L	-III	8	Schm Hils 1986		
C. stlosserae	L	I	1	"		
Ochrotrichia	L	I	1	Wigg 1996		
Chimarra aterrima	L	I	1	Hils 1982		
Psychomyia flavida	L	I	1	Hils 1995		
Dubiraphia	L	II	2	Hils Schm 1992		
Optioservus	L	0II	22	"	imm	N
O. fastiditus L, 9 A, 2	L, A	XI	11	"		
Stenelmis	L	0-	25	"		N
S. crenata	A	I	1	"		
Probezzia	L	I	1	Hils 1995		
Nemeroptomyia	L	II	2	Court Merr 2008		
Neoplasia	L	I	1	"		
Simulium jenningsi species group	L	I	1	Adl et al 2004		
Amphocha	L	-III	9	Hils 1995		
Dicranota	L	II	2	"		
Tvetenia	P	I	1	Ferr et al 2008		N
Cricotopus (Cricotopus)	P	I	1	"		
Gammarus pseudolimnaeus	A	X-III	18	Hils 1972		
Hygrobatas	A	II	2	Pluch 1984		
Dugesiiidae	A	I	1	Theop Reg 2016		
Naidinae	A	III	3	Brin Gerd 1991		
Tubificinae (without hairs)	A	II	2	Klemm 1985		Y
Tubificinae (with hairs)	A	I	1	"		Y
Split A3 Chironomidae	L	IIIIID				
Nilotanytus	L	I	1	Cran Epl 2013		
Beilvia	L	II	2	Ander + 3 2013	imm	
Eukiefferella	L	III	3	"	mt indet	

