

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MULLET RIVER		Waterbody ID Code 53400	Sample ID (YYYYMMDD-CY-FD) 20211027-60-02
Sampling Location SOS		Database Key 288762617	
SWIMS Station ID 10008194		SWIMS Station Name MULLET RIVER - MULLET RIVER UPSTREAM OF CTHY CJ	
Latitude 43.7923	Longitude -88.0099	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) SHEBOYGAN		Watershed Name MULLET RIVER	County SHEBOYGAN
Sample and Site Descriptors			
Sample Collector (Last Name, First) Arthur, Corey		Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAM	
Sampling Device			
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 4	Estimated Area Sampled (m ²) 4	Number of Samples in Composite	Replicate No. _____ of _____
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____			
Water Temp. (C) 7.64	D.O. (mg/l) 12.11	D.O. (% sat.) 102.0	pH (su) 8.15
Conductivity (umhos/cm) 681.9		TPS 436.6	Transparency (cm) 120
Water Color		Estimated Stream Velocity (m/s)	
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained		<input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)	
Measured Velocity 1.98	circle units m/s or f/s	Average Stream Depth of reach (m) .5	Average Stream Width of reach (m) 9
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 70	Gravel (ladybug to tennisball): 30
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____			
Embeddedness of Substrate at Sample Site (%) 20		Canopy Cover at Sample Site (%) 70	

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Katherine McClure</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 4.7% 4.7%
Date Processed <i>11/5/22</i>	Specimens Saved <i>126 / 130+1 (QC)</i>	<i>subsamples archived in APR label MAR 2024</i>

A191: 44 B494: 64
 A193: 18 B492:
 A192: B491:
 A194: B493:

(126)

D292: 42 A494: 28
 D294: 60 A491:
 D291: A492:
 D293: A493:

(130)

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
Ephemerellidae	L	6	0		MCB 2019	dam/imm	N
Telogaenansis deForens	L	18	27		"		
Hyalageniidae	L	2	8		"	dam	N
Leucocutis	L	6	1		"		
Maccaffertium	L	24	13		Kich 2016	imm	N
M. medispunctatum	L	1	1		"		
M. modestum	L	23	32		"		
M. vicarium	L	2	0		"		
Paragnetina media	L	0	3		Hils 1995		
Isoperla signata	L	1	0		Hils 1982		
Taeniopteryx	L	3	0		MCB 2019		
Protophila	L	1	0		"		
Ceratopsyche spuma	L	1	1		Schm Hils 1986		
C. stlossonae	L	6	8		"		
Cheumatopsyche	L	0	1		MCB 2019		
Hydropsyche	L	1	0		Hils 1995		
Neophylax	L	0	2		MCB 2019	imm	
Optioservus	L	7	6		"	imm	N
O. fastiditus	L	9	8		Nissim 1992		
Stenelmis	L	3	2		MCB 2019		N
S. crenata	A	1	0		Hils Schm 1992		
Psephenus herricki	L	3	5		Hils 1995		
Atherix variegata	L	3	8		"		
Hemerodromia	L	0	1		MCB 2019		
Anischa	L	3	2		"		
Dicranota	L	1	1		"		
Soniidae = Pisidiidae	A	1	0		Thorp Rog 2016	dam	N
Pisidium	A	0	1		"		
Sphaerium simile	A	1	0		Mackie 2007		
Enchytraeidae	A	0	1		Thorp Rog 2016		
Naicinae	A	0	1		Kath Brin 1998		
SPH A2 Chironomidae	L	14	12	JW			
Thienemannimyia group	L	1	0		Ander et al 2013		
Eukiefferella brehmi group	L	5	0		"		
E. danica group	L	1	0		"		
Parametretremus	L	1	0		"		
Tvetenia bavaria group	L	6	5		Bade 1983		
T. discoloripes group	L	1	0		"		
Cladotanytarsus	L	1	0		Ander et al 2013		

