

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name MULLET RIVER	Waterbody ID Code 53400	Sample ID (YYYYMMDD-CY-FD) 20161021-60-02
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Sampling Location 26m US CTH C/S bridge	Database Key 134807299
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SWIMS Station ID 10008194	SWIMS Station Name MULLET RIVER - MULLET RIVER UPSTREAM OF CTHY CJ
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Latitude 43.79214	Longitude -88.00853	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or <u>NAD83</u>
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Basin (WMU) SHEBOYGAN	Watershed Name MULLET RIVER	County SHEBOYGAN
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Sample and Site Descriptors

Sample Collector (Last Name, First) DYLAN OLSON	Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAMS
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Sampling Device

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

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

Water Temp. (C) 10.7	D.O. (mg/l) 10.9	D.O. (% sat.) 101.1	pH (su) 7.9	Conductivity (umhos/cm) 741.3	Transparency (cm) 120+
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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)
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Measured Velocity — circle units m/s or f/s	Average Stream Depth of reach (m) 0.5 ft	Average Stream Width of reach (m) 5.0m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30
 Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 30 Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 0 **Canopy Cover at Sample Site (%)** 90

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>Macayla Garcider</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>5/9</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2020</i>	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina media</i>	L	III	4	Milisenhoff 1985		
<i>Isoperla signata</i>	L	II	2	Milisenhoff 1982		
<i>Telegonopsis deficiens</i>	L	0	20	Klukertanz 2016		
<i>Leucocuta</i>	L	III	4	"		
<i>Maccaffertium</i>	L	01	21	"		
<i>M. medianotatum</i>	L	I	1	"		
<i>M. modestum</i>	L	XII	17	"		
<i>M. vicarium</i>	L	III	4	"		
<i>Cheumatopsyche</i>	L	II	2	Milisenhoff 1995		
<i>Hydropsyche</i>	L	I	1	"	imm	
<i>Hydropsychidae</i>	L	I	1	"	imm	N
<i>Ceratopsyche alhedra</i>	L	I	1	Schm, Hils 1986		
<i>C. bronta</i>	L	II	2	"		
<i>C. glossinae</i>	L	-	5	"		
<i>C. spuma</i>	L	III	3	"		
<i>Optiosevus</i>	L	II	2	Hils, Schm 1992	imm	N
<i>O. fastiditus</i>	L	-I	6	"		
<i>Stenelmis</i>	L	-I	6	"		
<i>Psephenus herricki</i>	L	XIII	13	"		
<i>Atherix variegata</i>	L	III	4	Milisenhoff 1995		
<i>Antocha</i>	L	-	5	"		
<i>Oreoretetes virilis</i>	A	I	1	Hills, Jass 1988		
<i>Tubificinae w/ capilliform chaetae</i>	A	I	1	Klemm 1985		
<i>Pisidium</i>	A	I	1	Burch 1972		
<i>Sphaerium</i>	A	-	5	"		
split A3 Chironomidae	L	- JND				
<i>Stenochironomus</i>	L	I	1	Epler et al 2013		
<i>Orthocladiinae</i>	L	I	1	Cranston 2013	imm	N
<i>Brillia</i>	L	I	1	Ande. + 3 2013	imm	
<i>Eukiefferiella brehmi</i> group	L	II	2	"		
<i>Parametrioctenemus</i>	L	III	3	"		
<i>Thienemannella</i>	L	II	2	"	dom/imm	
<i>Tritania bavaria</i> group	L	II	2+JND	Bode 1983		
<i>T. discoloripes</i> group	L	I	1	"		
<i>Orthocladius (Orthocladius)</i>	L	I	1	Ande. + 3 2013		
<i>Cricotopus/Orthocladius</i>	L	I	1	Fern. et al 2008	not in det	

