

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

Station Summary			
Waterbody Name MULLET RIVER		Waterbody ID Code 53400	Sample ID (YYYYMMDD-CY-FD) 20171026-60-01
Sampling Location R: 1/11e at start of station		Database Key 149295966	
SWIMS Station ID 10008194	SWIMS Station Name MULLET RIVER - MULLET RIVER UPSTREAM OF CTHY CJ		
Latitude 43.7922	Longitude -88.0101	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) CRAIG HELKER	Project Name SER 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)	Estimated Area Sampled (m ²)	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 7.85	D.O. (mg/l) 11.27	D.O. (% sat.) 98.3	pH (su) 7.70	Conductivity (umhos/cm) 718.8	Transparency (cm) 420
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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 3.9	circle units m/s or f/s	Average Stream Depth of reach (m) .8	Average Stream Width of reach (m) 9
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 40
 Sand: 20 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 (%) 70

Thomson
 9891943
 rd. in rd.

Sorter: Sam Cameron

Date sorted: 11/9/18

Taxonomist: Dimick, Jeffrey
Subsample archived in ABL
until Jan 2022

HBI 13%

2E 2A
106 146 252 total

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paragnetina media</i>	L	-1	6	Hils 1995		
<i>Taeniopteryx nivalis</i>	L		4	Full Stew 1980		
<i>Tetaganopsis deficiens</i>	L	0-1	24	Klüh 2016		
<i>Lewerocarta</i>	L		3	"		
<i>Maccaffertium</i>	L	0-111	42	"	imm	N
<i>M. mediopunctatum</i>	L	1	1	"		
<i>M. modestum</i>	L	8x1	51	"		
<i>M. vicarium</i>	L	1	1	"		
<i>Glossosoma</i>	L	-	5	Hils 1995	imm	N
<i>G. intermedium</i>	L	-	8	Wym Mar 2000		
<i>Pontopella</i>	L	1	1	Hils 1995		
<i>Helicopsyche borealis</i>	L	1	1	"		
<i>Hydropsyche</i>	L	1	1	"	imm	
<i>Ceratopsyche</i>	L		5	"	imm	N
<i>C. branta</i>	L		4	Schm Hils 1986		
<i>C. albedra</i>	L		4	"		
<i>C. stlossanae</i>	L	2x1	11	"		
<i>C. sparna</i>	L		2	"		
<i>Limnophilidae</i>	L	1	1	Hils 1995		
<i>Chimarra atroxima</i>	L		2	Hils 1982		
<i>Psychomyia flavida</i>	L	1	1	Hils 1995		
<i>Opiaservus</i>	L	x	10	Hils Schm 1992	imm	N
<i>O. fastiditus</i>	L	-	9	"		
<i>Stenelmis</i>	L	-1	6	"		N
<i>S. crenata</i>	A	1	1	"		
<i>Beckenus herricki</i>	L	-1	6	"		
<i>Atherix variegata</i>	L	1	1	Hils 1995		
<i>Nemerodromia</i>	L		2	Court Mar 2008		
<i>Simulium</i>	L	1	1	Adl et al 2004	dam	
<i>Antocha</i>	L		3	Hils 1995		
<i>Picranota</i>	L	1	1	"		
<i>Tretania</i>	P	1	1	Ferretal 2008		N
<i>Sphaerium</i>	A	1	1	Burch 1972		
<i>split As Chironomidae</i>	L	1-100				
<i>Brillia</i>	L	1	1	Ander+3 2013	imm	N
<i>B. flavicrons</i>	L		2	Epler 2001		