State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
MULLET RIVER	53400	20191024-60-04

Sampling Location	**Database Key**
SOS	221307421

SWIMS Station ID	**SWIMS Station Name**
10008194	MULLET RIVER - MULLET RIVER UPSTREAM OF CTHY CJ

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.7922	-88.0101	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
SHEBOYGAN	MULLET RIVER	SHEBOYGAN

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	SER LONG-TERM TREND WADEABLE REFERENCE STREAMS

Sampling Device

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

Habitat Sampled

- [x] 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** ____
1	1		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [x] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
8.64	11.42	100.1		612.2	+120

Water Color

- [ ] Clear
- [ ] Turbid
- [x] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [x] Fast (> 0.5 m/s)

Measured Velocity (circle units m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
4.35	.8	9

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30

Sand: 20 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 (%)** 100

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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
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: RRV	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 3.3 %
Date Processed: 10/26/2020	Specimens Saved: Subsample archived in ABL until Dec 2023	

A3 Q1 C1 a3
86 109
(195)

Wisconsin Department of Natural Resources
ABL SampleNum: **20191024-60-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mullet River**
SWIMS Database Key: **221307421**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Ephemerellidae	L	II	2	MerrCumm B 2019	imm	N
Teloganopsis deficiens	L	8-IIII	50	"		
Heptageniidae	L	III	3	MerrCumm B 2019	dam/imm	N
Leucrocuta	L	-III	8	"		
Maccaffertium	L	8 IIII	34	Klub 2016	imm	N
M. mediopunctatum	L	I	1	"		
M. Modestum	L	8 IIII	34	"		
M. vicarium	L	II	2	"		
Paraleptophlebia mollis	L	II	2	Wils 1995		
Taeniopteryx	L	II	2	MerrCumm B 2019		
Glossosoma intermedium	L	II	2	WynMor 2000		
Ceratopsyche bronta	L	I	1	SchmWils 1986		
C. slossonae	L	I	1	"		
Chimarra aterrima	L	II	2	Wils 1982		
Optioservus	L	I	1	Wils Schm 1992	imm	N
O. fastiditus	L	IIII	4	"		
Stenelmis	L	III	3	MerrCumm B 2019		
Psephenus herricki	L	I	1	Wils Schm 1992		
Atherix variegata	L	III	3	Wils 1995		
Sphaerium	A	I	1	Thorp Rog 2016	dam	N
S. simile	A	III	3	Mackie 2007		
Naidinae	A	I	1	KathBorn 1998		
~~Split Az Chironomidae~~	~~L~~	~~XIII JD~~				
Corynoneura	L	I	1	And et al 2013		
Parametriocnemus	L	IIII	5	"		
Thienemanniella	L	II	2	"	imm	
Tvetenia bavarica group	L	IIII	5	Bode 1983		
Rheotanytarsus	L	III	3	And et al 2013		
Conchapelopia 08270700	L	I	1	"		
Nilotanypus	L	I	1	"		
Orthocladiinae 08300000	L	I	1	"	imm	N
Micropsectra	L	I	1	"		
Microtendipes pedellus group	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	II	2	Bolton 2012		
P. (U.) flavum	L	I	1	"		