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)**
MILWAUKEE RIVER	15000	20201007-46.04

Sampling Location	**Database Key**
Riffle d.s of EOS fr. 2019	250470640

SWIMS Station ID	**SWIMS Station Name**
10032506	MILWAUKEE RIVER AT HWY 33 SAUKVILLE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.3849	87.9368	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	MILWAUKEE RIVER SOUTH	OZAUKEE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
	EAST DISTRICT NC STREAM STRATIFIED SITES 2019

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** ___
2	2		

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
15.47	17.42	176.7	7.97	1274	+120

Water Color

- [x] Clear
- [ ] Turbid
- [ ] 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)**
	.7	+30

Composition of Substrate Sampled (Percent):

Bedrock: ______ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 20

Sand: 10 Clay: ______ Silt/Muck: ______ Overhanging Vegetation: ______

Aquatic Macrophytes: ______ Leaf Snags: ______ Coarse Woody Debris: ______ Other (______): ______

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 10

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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: Reed, Kayla	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 6.25%
Date Processed: 10-7-2021	Specimens Saved: 136 subsample archived in ADL until Nov 2024	

~~D4~~

B4 Q3 → 33
B1 Q2 → 33
B1 Q3 → 28
B4 Q1 → 42

Wisconsin Department of Natural Resources
ABL SampleNum: **20201007-46-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Milwaukee River**
SWIMS Database Key: **250470640**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	~~||||~~ ||	7	MCB 2019	dam	N
Acerpenna pygmaea	L	||	2	Klub 2016		
Baetis intercalaris	L	|||	3	"		
B. flavistriga species complex	L	|	1	"		
Iswaeon anoka	L	X|	4	"		
Maccaffertium	L	X	10	"		
Stenacron	L	||	2	MCB 2019		
Tricorythodes	L	-|	6	"		
Hetaerina	L	|	1	"	dam	
Taeniopteryx	L	X/	15	"	imm	
Ceratopsyche	L	|	1	Hils 1995	imm	N
C. morosa bifida form	L	|||	3	Schm Hils 1986		
Cheumatopsyche	L	X-|||	18	MCB 2019		
Hydropsyche cuanis	L	|	1	Schm Hils 1986		
Macrostemum zebratum	L	||	2	Hils 1995		
Limnephilidae	L	|||	3	MCB 2019	imm	
Chimarra obscura	L	X||	12	Hils 1982		
Stenelmis	L	-|||	9	MCB 2019		N
S. crenata	A	|	1	Hils Schm 1992		
S. musgravei	A	|	1	"		
1/8 Protoptila	L	-|||	8	MCB 2019		
Hemerodromia	L	|	1	"		
Cricotopus (Cricotopus) (C. trifascia G)	P	|	1	Weder 1986		N
Simulium jenningsi species complex	L	|	1	Adl et al 2004		
S. vittatum species complex OB110217	L	|	1	"		
Gammarus pseudolimnaeus	A	||	2	Hols 1972		
~~Split Chironomidae~~	~~L~~	~~X-||| SP~~				
Cricotopus (Cricotopus) trifascia group	L	-|||	8	And et al 2013		
Lopescladius	L	||	2	"		
Cricotopus (Cricotopus) bicinctus group	L	||	2	"		
Eukiefferiella claripennis group	L	||||	4	"		
Orthocladius (Symposiocladius) annectens	L	|	1	Bolton 2012		
Thienemanniella xena	L	||	2	"		
Polypedilum (Polypedilum) illinoense group	L	||	2	"		
Tanytarsus	L	||	2	And et al 2013		

< 3 taxa, TWAC ≤ 2.0