ALC-01

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)**
AUBURN LAKE CREEK	41600	20201008-20-23

Sampling Location: ~85 m US Milwaukee River

Database Key: 251162977

SWIMS Station ID	**SWIMS Station Name**
10016755	AUBURN LAKE CR #33 - 85 M US FROM MILWAUKEE RIVER

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
435798	-88.2375	SWIMS (SWDV) GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	EAST AND WEST BRANCHES MILWAUKEE R	FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First): Watkinson, Arthur

Project Name: MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA

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	.5		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Milw. River Sample

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
11.75	6.86	63.6	7.48	564.4	+120

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [X] Moderate (0.15 m/s - 0.5 m/s)
- [ ] 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)**
	.5	15

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 60

Sand: 25 Clay: _____ Silt/Muck: 5 Overhanging Vegetation: _____

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

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

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)

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		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Coash, Natalie	Dimick, Jeffrey	100 11.7
Date Processed	**Specimens Saved**	
1/5/2021	Subsample archived in ABL until Feb 2024	

E3:3 - 33
A2:2 - 17
E3:1 + A2:4 = 38
E3:4 + A2:3 = 27
E3:2 - 24
139

Wisconsin Department of Natural Resources
ABL SampleNum: **20201008-20-23**
Taxonomist: Dimick, Jeffrey

Waterbody: **Auburn Lake Creek**
SWIMS Database Key: **251162977**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	𝍸	3	Klub 2016		
Heptageniidae	L	I	1	MerlummB 2019	imm	N
Leucrocuta	L	-((	8	"		
Maccaffertium	L	I	1	Klub 2016	imm	N
M. mediopunctatum	L	III	3	"		
Argia	L	I	1	MerlummB 2019	dam	
Taeniopteryx	L	I	1	"	imm	
Belostoma flumineum	A	I	1	Hils 1981a		
Protoptila	L	I	1	MerlummB 2019		
Helicopsyche borealis	L	-HI	8	Hils 1995		
Cheumatopsyche	L	×II	12	MerlummB 2019		
Chimarra obscura	L	I	1	Hils 1982		
Optioservus	L	-I	6	HilsSchm 1992	imm	N
O. fastidiosus	L	-(((	9	"		
Stenelmis	L	-	5	MerlummB 2019		
Psephenus herricki	L	-((((	9	HilsSchm 1992		
Gammarus pseudolimnaeus	A	8-III	39	Hols 1972		
Caecidotea intermedia	A	III	3	Will 1972		
Dugesiidae	A	II	2	ThorpRog 2016		
Pisidium	A	((	4	"		
Sphaerium simile	A	I	1	Mackie 2007		
Tubificinae (without hairs)	A	III	3	KathBrin 1998		
~~Subfam. Chironomidae~~	~~L~~	~~×(((((~~				
Cladotanytarsus	L	III	3	And et al 2013		
Cryptochironomus	L	II	2	"		
Tanypodinae 08270000 (Labrum/Nilotanypus)	L	I	1	"	dam	Y
Thienemanniinyia group	L	I	1	"	imm	
Thienemanniella xena	L	I	1	Bolton 2012		
Chironominae 08330000	L	II	2	And et al 2013	mt-indet	N
Paratendipes	L	I	1	"		
Polypedilum (Tripodura) scalaenum group	L	-	5	Bolton 2012		
P. (Uresipedilum) flavum	L	III	3	"		
Tanytarsus	L	I	1	And et al 2013		