MLR-08

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	20201008-20-34

Sampling Location	Database Key
US Happy Road	249875094

SWIMS Station ID	SWIMS Station Name
10017088	MAIN BRANCH MILWAUKEE RIVER - 800 FEET WEST OF HAPPY RD. NORTH OF F.

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
43.6432	-88.3074	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)	Project Name
~~CRAIG HELKER~~ Schmitz, Amanda	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRAT

Sampling Device

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

Habitat Sampled

- [X] Riffle
- [X] Run
- [ ] Pool
- [ ] Other
- [X] 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 ____
3	2		

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)
12.53	13.68	129.2		761.8	

Water Color

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

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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	7

Composition of Substrate Sampled (Percent):

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

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

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

Embeddedness of Substrate at Sample Site (%) 20 **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: Raatz, Trevor	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 80%
Date Processed: 1/11/21	Specimens Saved: Subsample archived 137 mAAL wtrl Feb 2024	

C3:Q4:32
E3:Q3:17:49
C3:Q1:32:81
E3:Q2:17:98
C3:Q2:39:(137)

Wisconsin Department of Natural Resources
ABL SampleNum: **20201008-20-34**
Taxonomist: Dimick, Jeffrey

Waterbody: **Milwaukee River**
SWIMS Database Key: **249875094**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	II	2	Klub 2016		
Caenis	L	I	1	MeirSummB 2019	imm	
Stenacron	L	I	1	"	imm	
Taeniopteryx	L	I	1	"	imm	
Ceratopsyche bronta	L	II	2	SchmHils 1986		
Cheumatopsyche	L	80-	65	MeirSummB 2019		
Hydropsyche	L	I	1	Hils 1995	imm	
Hydroptila	L	II	2	MeirSummB 2019		
Dubiraphia	L	II	2	"		
Optioservus	L	II	2	"	imm	N
O. fastiditus	L	II	2	HilsSchm 1992		
Stenelmis	L	-IIII	9	MeirSummB 2019		N
S. crenata	A	IIII	4	HilsSchm 1992		
Mallochohelea	L	I	1	Hils 1995		
Parakiefferiella	P	I	1	MeirSummB 2019		
Hemerodromia	L	II	2	"		
Gammarus pseudolimnaeus	A	+I	11	Hols 1992		
Hyalella spinicauda	A	I	1	Soucek et al 2015		
Cyclopidae	A	I	1	ThorpRog 2016		
Hygrobates	A	I	1	Peck et al 1990		
Naidinae	A	I	1	KathBrin 1998		
Megadrili = Metastigmophora	A	I	1	ThorpRog 2016		
~~Split Az Chironomidae~~	L	X WD				
Microtendipes pedellus group	L	X III	15	Arc et al 2013		
Ablabesmyia (Ablabesmyia)	L	I	1	"	imm	
Conchapelopia 08270700	L	I	1	"		
Cricotopus (Cricotopus) bicinctus group	L	I	1	"		
Hydrobaenus	L	I	1	"		
Parakiefferiella	L	I	1	"	imm	N
Paratendipes	L	I	1	"		
Polypedilum (Polypedilum) illinoense group	L	II	2	Bolton 2012		
P. (Uresipedilum) flavum	L	I	1	"		
Rheotanytarsus	L	I	1	Arc et al 2013		