MLR-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)**
MILWAUKEE RIVER	15000	20200925-46-01

Sampling Location: adjacent canoe launch

Database Key: 251835593

SWIMS Station ID	**SWIMS Station Name**
10031329	MILWAUKEE RIVER AT TENDICK PARK

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.4170	-87.9427	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**
CRAIG HELKER	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRAT

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [x] 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: Milw. River Supply

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
					+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	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
.72	m/s or (f/s)	.8	30

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30

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

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

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 50

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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: Coash. Natalie	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 5.0
Date Processed: 12/5/2020	Specimens Saved: Subsample archived in ABL until Feb 2024	

1E-3 = 45
3E-4 = 37
1C-1 = 46

128

Wisconsin Department of Natural Resources
ABL SampleNum: **20200925-46-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Milwaukee River**
SWIMS Database Key: **251835593**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	MerrlummB 2019	imm	N
Acentrella parvula	L	II	2	Klub 2016		
Baetis intercalaris	L	I	1	"		
Iswaeon anoka	L	XII	12	"		
Caenis	L	I	1	MerrlummB 2019	imm	
Maccaffertium	L	-II	7	Klub 2016	imm	N
M. mediopunctatum	L	I	1	"		
M. terminatum	L	II	2	"		
Stenacron	L	I	1	MerrlummB 2019	imm	
Tricorythodes	L	XII	12	"		
Argia	L	I	1	"	imm	
Protoptila	L	IIII	5	"		
Helicopsyche borealis	L	III	3	Hils 1995		
Hydropsychidae	L	I	1	MerrlummB 2019	imm	N
Cheumatopsyche	L	-	5	"		
Hydropsyche cuanis	L	I	1	SchmHils 1986		
Macrostemum zebratum	L	I	1	Hils 1995		
Hydroptilidae	P	I	1	MerrlummB 2019		
Oecetis	L	I	1	"	imm	
Macronychus glabratus	L	I	1	Hils 1995		
Stenelmis	L	OIII	24	MerrlummB 2019		N
S. crenata	A	I	1	HilsSchm 1992		
Chironominae 08330001	P	I	1	MerrlummB 2019	dam	N
Hemerodromia	L	III	3	"		
Gammarus pseudolimnaeus	A	II	2	Hols 1972		
Dugesiidae	A	I	1	ThorpCas 2016		
Pisidium	A	I	1	"		
~~0.2 Split Az Chironomidae~~	~~L~~	~~XII WI~~				
Lopescladius	L	III	3	And et al 2013		
Tvetenia discoloripes group	L	I	1	Bode 1983		
Microtendipes pedellus group	L	XIII	16	And et al 2013		
Rheotanytarsus	L	-	5	"		
Thienemanniella group	L	II	2	"		
Orthocladiinae 08300000 ~~Corr/Ortho~~	L	I	1	"	imm	
Cladotanytarsus	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	I	1	Bolton 2012		
P. (U.) flavum	L	III	3	"		