NBM-05

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)**
NORTH BRANCH MILWAUKEE RIVER	27100	20201014-68-01

Sampling Location: US of bridge, near (R) bank

Database Key: 249875118

SWIMS Station ID	**SWIMS Station Name**
673227	MILWAUKEE RIVER NORTH BRANCH AT CTH M

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.5127	-88.0753	SWIMS (SWDV) GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	NORTH BRANCH MILWAUKEE RIVER	WASHINGTON

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** ____
1	1		

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)**
10.41	8.41	75.9		1278	+120

Water Color

- [ ] Clear
- [ ] Turbid
- [X] 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)**
	1.5	18

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 10

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

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

Embeddedness of Substrate at Sample Site (%) 60 **Canopy Cover at Sample Site (%)** 0

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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	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	30%
Date Processed	**Specimens Saved**	
2/5/2021	134 subsample archived in LBL until Feb 2024	

8 C3Q3 | 6 E1Q1,2 | 26 C3Q1,2,4 | 13 E1Q3,4 | 34 B2 | 34 E2 | 3 C2Q4 | 10 C2Q2

3.5 hrs

2 hrs

Wisconsin Department of Natural Resources
ABL SampleNum: **20201014-68-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Branch Milwaukee River**
SWIMS Database Key: **249875118**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	I	1	MerrCummB 2019	imm	
Baetis	L	I	1	"	dam	N
B. intercalaris	L	-I	6	Klub 2016		
Maccaffertium mediopunctatum	L	I	1	"		
Stenacron	L	III	4	MerrCummB 2019	imm	
Heteroerina americana	L	I	1	West May 2006		
Cheumatopsyche	L	0	2	MerrCummB 2019		
Limnephilidae	L	I	1	"	imm	
Dubiraphia	L	I	1	MerrCummB 2019		
Stenelmis	L	II	2	"		
Cricotopus (Cricotopus)	P	I	1	Wieder 1986		
Hemerodromia	L	I	1	MerrCummB 2019		
Simulium venustum species complex	L	I	1	Adler et al 2004		
Crangonyx	A	III	3	ThorpRog 2016	fem	
Gammarus pseudolimnaeus	A	0-I	66	Hoss 1972		
Amphipoda	A	I	1	ThorpRog 2016	dam	
Caecidotea intermedia	A	0II	22	Will 1972		
Cyclopidae	A	I	1	ThorpRog 2016		
Tubificinae (with hairs)	A	I	1	KathBrin 1998		
~~Split A2 Chironomidae~~	~~L~~	~~-III-JJ~~				
Orthocladiinae 08300000	L	I	1	And et al 2013	imm	N
Cricotopus	L	III	3	"		N
Orthocladius (Orthocladius) oliveri	L	I	1	Bolton 2012		
Thienemanniella	L	I	1	And et al 2013	dam	
Polypedilum (Tripodura) scalaenum group	L	I	1	Bolton 2012		
P. (Uresipedilum) flavum	L	I	1	"		