

NBM-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) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH BRANCH MILWAUKEE RIVER	Waterbody ID Code 27100	Sample ID (YYYYMMDD-CY-FD) 20201013-60-33
Sampling Location US bridge		Database Key 251163101

SWIMS Station ID 10015936	SWIMS Station Name N.BR. MILW. - 200 FEET UPSTREAM OF HWY W.		
Latitude 43.6311	Longitude -88.0358	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name NORTH BRANCH MILWAUKEE RIVER	County SHEBOYGAN

Sample and Site Descriptors

Sample Collector (Last Name, First) Schmitz, Amanda	Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATE
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Sampling Device

☒ D-Frame Kick Net	☐ Surber Sampler	☐ Eckman
☐ Ponar	☐ Artificial Substrate	☐ Hess Sampler ☐ Other: _____

Habitat Sampled

☐ Riffle	☐ Run	☐ Pool
☐ Other	☒ Shoreline Composite	☐ Proportionally-Sampled Habitat
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland

Total Sampling Time (min) 3	Estimated Area Sampled (m²) 2	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☐ Other: _____

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm) 65
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Water Color	Estimated Stream Velocity (m/s)
☐ Clear ☒ Turbid ☐ Stained	☐ 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) 1.5	Average Stream Width of reach (m) 15
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 20	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): 20
Sand: _____	Clay: _____	Silt/Muck: 60	Overhanging Vegetation: _____
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____			

Embeddedness of Substrate at Sample Site (%) 30	Canopy Cover at Sample Site (%) 0
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Deep site → shoreline sampled
Hydrolabs malfunctioning

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Coash, Natalie	Taxonomist	Dimrek, Jeffrey	Estimated Percent of Sample Sorted	20
Date Processed	1/27/2021	Specimens Saved	Subsample archived in ABL until Feb 2024		

B1:3-13 Rest of B1-31
E1:4-13 Rest of E1-31
D2-54

~~E3:4~~
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Wisconsin Department of Natural Resources

ABL SampleNum: 20201013-60-33

Taxonomist: Dimick, Jeffrey

Waterbody: North Branch Milwaukee River

SWIMS Database Key: 251163101

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	1	1	Merrillum B 2019		
Labropæctis frondalis	L	11	2	Klob 2016		
L. propinquus	L	11	2	"		
Leptophlebiidae	L	1	1	Merrillum B 2019	imm	
Calopteryx	L	1	1	"	imm	
Coenagrionidae	L	11	6	"	imm	
Isonychia vulgaris	A	111	3	Hols 1984a		
Belostomatidae	A	1	1	"		
Ranatra fusca	A	1	1	"		
Psephenidae	L	1	1	Merrillum B 2019		
Limnephilidae	L	8-1111	49	"	imm	
Polycentropodidae	L	"	2	"	imm	
Chauliodes	L	1	1	"	imm	
Gyrinus	A	111	3	"		
Cyphon	L	1111	4	Hols 1995		
Culicidae	P	1	1	Merrillum B 2019	dam	
Nemoura	L	1111	4	"		
Odontomyza	L	1	1	"		
Crangonyx pseudogracilis complex ^{JD}	A	1	6	Zhang Hols 2003		
Nyalia azteca	A	01111	24	Sorock et al 2015		
Dixella	L	1	1	Merrillum B 2019		
Neoplasma	L	1	1	"		
Caecidotia	A	1	1	Thorp & Rogers 2016	fem	
Chydoridae	A	"	2	"		
Daphniidae	A	2-1	16	"		
Cyclopidae	A	11	2	"		
Laevapex fuscus	A	"	2	"		
Pseudosuccinea columella	A	1	1	Burch 1989		
Nais	A	1111	4	Kath Brin 1998		
Tubificinae (with hairs)	A	1	1	"		
Salicetia Chironomidae	L	5-2111				
Corynoneura	L	1	1	And et al 2013		
Conchapelopia 08270700	L	1	1	"		
Orthocladus (Orthocladus) oliveri	L	11	2	Balden 2012		
Parakiefferiella	L	1	1	And et al 2013		
Chironominae 08330000	L	11	2	"	not indent	N
Microsestera	L	01111	23	"		

Taxonomist: Dimick, Jeffrey

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