NBM-06

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	20201013-46-04

Sampling Location	**Database Key**
	251163113

SWIMS Station ID	**SWIMS Station Name**
10029688	NORTH BRANCH MILWAUKEE RIVER AT RIVERSIDE RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.4811	-88.0409	SWIMS (SWDV) GPS	WGS84 or NAD83

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

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Helker, Cindy	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: M.br River Survey

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
11.48	9.64	89.4		1238	85

Water Color

- [ ] Clear
- [ ] Turbid
- [x] 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)**
	1.0	9

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 10

Sand: _____ Clay: _____ Silt/Muck: 30 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 80

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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: ~~18.33~~ 18.3
Date Processed: 1/22/2021	Specimens Saved: Subsample archived in ABL until Feb 2024	

C2:1-14
E3:1-9
Rest of C2-46

Rest of E3-21

A2:1+A2:2-20
A2:4-17
~~A2:3~~

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Wisconsin Department of Natural Resources
ABL SampleNum: **20201013-46-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Branch Milwaukee River**
SWIMS Database Key: **251163113**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Heptageniidae	L	I	1	MerrCumm B 2019	dam	N
Stenacron	L	XVII	17	"	imm	N
S. interpunctatum	L	IIII	4	Klub 2016		
Argia	L	I	1	MerrCumm B 2019	imm	
Corixidae	L	IIII	4	"	imm	N
Sigara lineata	A	IIII	4	Hils 1984a		
Trichocorixa sexcincta	A	I	1	"		
Cheumatopsyche	L	I	1	MerrCumm B 2019		
Hydroptila	L	I	1	"		
Limnephilidae	L	VIIII	9	"	imm	
Cricotopus (Cricotopus)	P	I	1	Wieder 1986		
Chrysops	L	I	1	MerrCumm B 2019		
Gammarus pseudolimnaeus	A	8x.	55	Hols 1972		
Caecidotea intermedia	A	III	3	Will 1972		
Pisidium	A	I	1	Thorp Rog 2016		
Sphaerium	A	II	2	"	imm	
Tubificinae (without hairs)	A	IIII	4	Kath Brin 1998		
Helobdella elongata	A	I	1	Saglam et al 2018		
~~Split 1/2 Chironomidae~~	~~L~~	~~8+331~~				
Cirnotanypus	L	I	1	And et al 2013		
Orthocladius (Orthocladius) oliveri	L	I	1	Bolton 2012		
Cladotanytarsus	L	I	1	And et al 2013		
Cryptochironomus	L	I	1	"		
Micropsectra	L	VIIII	9	"		
Paratendipes	L	XIIII	14	"		
Polypedilum (Tripodura) halterale group	L	I	1	Bolton 2012		
Tanytarsus	L	I	1	And et al 2013		