NBM-03

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	20201014-60-01

Sampling Location	**Database Key**
upstream of CTH A	249875114

SWIMS Station ID	**SWIMS Station Name**
603416	MILWAUKEE RIVER NORTH BRANCH - UPSTREAM OF CTH A

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.6010	-88.0120	SWIMS SWDV GPS	WGS84 or NAD83

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

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

- [X] Riffle
- [ ] 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
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
9.69	10.51	92.9		1243	+120

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)**
	.6	8

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 20

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

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

Embeddedness of Substrate at Sample Site (%) 30 **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	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	10%
Date Processed	Specimens Saved	
1/29/2021	140 Subsample archived in AAL until Feb 2024	

31 55 16 38
E2Q3,1 A3Q3,4 E2Q4 A3Q1

Wisconsin Department of Natural Resources
ABL SampleNum: **20201014-60-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Branch Milwaukee River**
SWIMS Database Key: **249875114**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acentrella parvula	L	I	1	Klub 2016		
Baetis	L	II	2	MerlummB 2019	dam	N
B. bronnicolor	L	I	1	Klub 2016		
B. intercalaris	L	-I	6	"		
B. flavistriga species complex	L	II	2	"		
Heptageniidae	L	II	2	MerlummB 2019	dam	N
Leucrocuta	L	x-	15	"		
Maccaffertium	L	-I	6	Klub 2016	mm	N
M. mediopunctatum	L	~~HHT~~	15	"		
Helicopsyche borealis	L	IIII	4	Hils 1995		
Ceratopsyche	L	I	1	Hils 1995	mm	N
C. bronta	L	-	5	Schm Hils 1986		
C. slossonae	L	-I	6	"		
Cheumatopsyche	L	0	20	MerlummB 2019		
Hydropsyche	L	IIII	4	Hils 1995	mm	N
H. betteni	L	xIIII	14	Schm Hils 1986		
Hydropsychidae	L	II	2	MerlummB 2019	mm	N
Psychomyia flavida	L	-I	6	Hils 1995		
Optioservus	L	-I	6	MerlummB 2019	mm	N
O. fastiditus	A	I	1	Hils Schm 1992		
Stenelmis	L	-II	7	MerlummB 2019		N
S. crenata	A	II	2	Hils Schm 1992		
Nemerodromia	L	I	1	MerlummB 2019		
Simulium venustum species complex	L	I	1	Adl et al 2004		
Antocha	L	-III	8	MerlummB 2019		
Sperchontidae	A	I	1	Peck et al 1997		
Dugesiidae	A	I	1	Thorp Rog 2016		
Naidinae	A	-III	8	Kath Brin 1998		
~~Split Az Chironomidae~~	L	~~-HHJ~~				
~~Meropelopia~~ Meropelopia	L	I	1	And et al 2013		
Orthocladius (Orthocladius)	L	I	1	"		
Microtendipes pedellus group	L	I	1	"		
M. rydalensis group	L	I	1	"		
Polypedilum (Uresipedilum) flavum	L	III	3	Bolton 2012		