

ADT-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 UNNAMED	Waterbody ID Code 33000	Sample ID (YYYYMMDD-CY-FD) 20201013-60-32
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Sampling Location US bridge	Database Key 249875062
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SWIMS Station ID 10021196	SWIMS Station Name ADELL TRIB
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Latitude 43.6452	Longitude -88.0001	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) MILWAUKEE RIVER	Watershed Name NORTH BRANCH MILWAUKEE RIVER	County SHEBOYGAN
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Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG HELKER 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) 3	Number of Samples in Composite 3	Replicate No. _____ of _____
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Milwaukee River Sampling

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm) 600
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .5	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 10
 Sand: _____ Clay: _____ Silt/Muck: 70 Overhanging Vegetation: 10
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____
 Embeddedness of Substrate at Sample Site (%) 100 Canopy Cover at Sample Site (%) 10

Hydrotus 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

avg 9 per pan
 32%
 682 left

For Lab Use Only		
Sample Sorter	Raatz, Trevor	Estimated Percent of Sample Sorted
Taxonomist	Dimick, Jeffrey	88.2
Date Processed	1/27/2021	Specimens Saved
	Subsample	126 archived in 16L int. 1 Feb 2024

A1Q3: 1:1
 B3Q3: 3:4
 A1Q1: 4:8
 B3Q2: 6:14
 A1Q4: 3:17
 B3Q2: 2:19
 A1Q3: 1:20
 B3Q4: 2:22
 D1Q4: 3:25
 D1Q1: 3:28
 D1Q3: 5:32
 D1Q2: 2:34
 C2Q4: 4:38
 C2Q3: 3:41
 C2Q2: 1:42
 C2Q1: 1:43
 E3Q3: 3:46
 E3Q1: 5:51
 E3Q2: 1:52
 E3Q4: 4:56
 1/10 of Unsorted REM: 5:61
 1/10 of Unsorted Rem: 10:71
 1/10 of rem: 11:82
 1/10 of REM: 5:87
 1/10 of Rem: 6:93
 1/10 of Rem: 6:99
 1/10 of REM: 15:114
 1/10 of REM: 9:123
 1/10 of REM: 3:126

Wisconsin Department of Natural Resources
 ABL Sample Num: 20201013-60-32
 Taxonomist: Dimick, Jeffrey

Waterbody: Unnamed (33000, Adell Tributary)
 SWIMS Database Key: 249875062

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	ii	2	Merrillum B 2019	imm	
Coenagrionidae <i>Coenagrion/Eurallan</i>	L	iiii	4	"	imm	
Belostomatidae flumineum	A	i	1	Hils 1984a		
Neopleura striola	A	-ii	8	"		
Liodesmus affinis	A	i	1	Hils 1994		
Haloptilus L2 A.1	LA	iii	3	Merrillum B 2019		N
20 Peltodytes tortuosus	A	i	1	Hils Bors 1978		
Contacyphon = Cyphon	L	i	1	Merrillum B 2019		
Elophila	L	xx	35	"		
Peltodytes	L	i	1	"		N
Corynocheilus	P	iii	3	"		
Anopheles	L	-iii	8	"		N
Anopheles	P	i	1	"		
Hemecyrtocera	L	ii	2	"		
Ephydriidae	L	-iii	8	"		N
20 E. Stratiomyidae	L	i	1	"	dam	
Helius	L	i	1	"		
Pseudosuccinea columella	A	i	1	Borch 1989		
Physa	A	iii	3	Thorp Poy 2016		
Gyraulus deflectus	A	ii	2	"		
Pisidium	A	-i	6	"		
Naididae	A	ii	2	Kath Brin 1998		
Tubificonae (with hairs)	A	i	1	"		
Cyclopidae	A	xi	15	Thorp Poy 2016		
Harpacticoida	A	BBB-ii	188	"		
Cyclopidae	A	xi	15	"		
Daphniidae	A	i	1	"		
Poecocopia	A	ii	2	"		
Split A7 Chironomidae	L	0-iiii	JD			
Corynocheilus	L	0ii	22	And et al 2013		N
Chironomidae 08250000	L	i	1	Merrillum B 2019	not indet	N
Zavrelimyia	L	iii	3	And et al 2013		
Acricotopus	L	iiii	4	"		
Limnophyes	L	i	1	"		
Orthocladus (Orthocladus)	L	ii	2	"		Y
O. (O.) oliveri	L	ii	2	Bolton 2012		
Paraphaenocladus	L	i	1	And et al 2013		

