

**Station Summary**

<b>Waterbody Name</b> MILWAUKEE RIVER	<b>WBIC</b> 15000	<b>Field Seq no. generated by SWIMS</b> 255341687
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<b>SWIMS Station ID</b> 413929	<b>SWIMS Station Name</b> MILWAUKEE RIVER AT HUMBOLDT AVE		
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<b>Field Sample ID (retrieval date)</b> 20200917-41-01	<b>Basin (WMU)</b> MILWAUKEE RIVER	<b>Watershed Name</b> MILWAUKEE RIVER SOUTH	<b>County</b> MILWAUKEE
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**Project Name** LARGE RIVERS MONITORING

<b>Latitude</b> 43.05708 (43.05732)	<b>Longitude</b> -87.898 (-87.89751)	<b>Determination Method</b> SWOV	<b>Datum Used</b>
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**Site Access Details:** Dock off 2060 W. Humboldt St. Off dock, S side, hanging from under middle eave

**Sample and Site Descriptors**

**Sampling Device**

- Standard Non-wadeable Hester Dendy      Hester Dendy Area Calculation = Plate Size (cm) \_\_\_\_\_  
 Number of Plates \_\_\_\_\_  
 Other Device: \_\_\_\_\_      Device Area Calculation = Plate Size (cm) \_\_\_\_\_

**Habitat Sampled**

- Suspended dock       River Bed

**Snags (no./100m)** \_\_\_\_\_      **Avg. size (dbh)** \_\_\_\_\_      **Coniferous and/or Deciduous (circle)**

**Riparian Land Use, Vegetation, and Condition:** Developed (100%)

**Substrate Composition**

**Bedrock** \_\_\_\_\_ %      **Boulder** \_\_\_\_\_ %      **Cobble** \_\_\_\_\_ %      **Gravel** 10 %  
**Sand** 10 %      **Silt** 80 %      **Clay** \_\_\_\_\_ %      **Muck** \_\_\_\_\_ %  
**Aquatic Macrophytes** \_\_\_\_\_ %      **CWD** \_\_\_\_\_ %      **Other (\_\_\_\_\_):** \_\_\_\_\_ %

**Field Measurements**

	Deployment	Retrieval	Total Colonization Time (Days)
<b>Date:</b>	08/03/2020	09/17/2020	44
<b>Time:</b>	1400	1100	
<b>Personnel:</b>	Holker, C.	Holker, C.	
<b>Water Depth at Location (m):</b>	2.5	2.5	
<b>Sampler Height Above Substrate (m):</b>	1	1	
<b>Bank Placement:</b> R (L)			
<b>Distance From Bank:</b>	7	7	
<b>Water Temp (C):</b>			
<b>Water Color (clear, turbid, stained):</b>	Turbid	Clear	
<b>D.O. (mg/L):</b>			
<b>pH:</b>			
<b>Conductivity:</b>			
<b>Transparency Tube (cm):</b>			
<b>Turbidity (NTUs):</b>			
<b>Water Velocity (m/s):</b>	1050 cfs	650 cfs	

USGS station  
04087000

# Non-Wadeable Macroinvertebrate Field Data Report

Form 3200-136 (R 10/11)

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Draw Map:

Ethanol replaced the second day?	Yes	No
Label on inside of jar?	Yes	No
Label on outside of jar?	Yes	No

Additional Notes:

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For Lab Use Only		
Sample Sorter <i>Rootz, Trevor</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>100%</i>
Date Processed <i>10/19/2021</i>	Specimens Saved <i>Subsample archived 44 in ABL until Nov 2024</i>	

*D1:3*  
*A1:3:6*  
*H5:9:15*  
*E3:6:21*  
*D6:1:22*

*C6:6:28*  
*A-D 1-8 : 36:64*  
*w/o A4, D1, D6*  
*E-F 1-8 : 44:108*  
*w/o E3*

*G-H:19:127*  
*1-4*  
*G-H: 9:136*  
*5-6*

*6-H : 8:144*  
*7-8*

River Macroinvertebrate IBI Sampling Notes

River: Milwaukee River Station: Milwaukee River @ Humboldt Ave

Sample ID (YYMMDD-CC-FF): 20200917-41-01 SWIMS no.: 415929

Deployment: Date: 08/05/2020 Personnel: Craig Helker

Retrieval: Date: 09/17/2020 Personnel: Craig Helker

Lat: 43.05732 Long: -87.89751 Deployment : riverbed snag dock

Time: 1400 Temp. 17.897 °C D.O. \_\_\_\_\_ Cond \_\_\_\_\_

Secchi \_\_\_\_\_ mm Turbidity \_\_\_\_\_ ntu Water Velocity: 1000 ~~m/s~~ cfs USGS station 04087000

Sampler location & deployment notes: Bank: R (L) Dist. from bank 7 m

Dock off 2060 N. Humboldt. Off dock, downstream side, hanging from frame under middle cleaf.

Habitat:

Substrate %: boulder \_\_\_\_\_ . cobble \_\_\_\_\_ . gravel 10 . sand 10 . silt 80 . clay \_\_\_\_\_ .

Snags: no. / 100m \_\_\_\_\_ . Avg. size \_\_\_\_\_ dbh. Deciduous Coniferous

Riparian land use, vegetation, and condition Highly developed

Water depth at sampler location: At deployment 2.5 m. At retrieval 2.5 m.

Sampler height above substrate 1 m.

Retrieval notes: None



Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
Heptageniidae	L	III	9	MCB 2019	dam/imm	N	N
Stenocran	L	XXIV	52	"	imm		
Tricorythodes	L	XIII	14	"			
Anthopotamus	L	I	1	"	imm		
Argia	L	II	7	"	dam/imm	N	
A. apicalis	L	I	1	West May 2006			
Enallagma	L	I	1	MCB 2019	imm		
Oenematopsycha	L	II	2	"			
Nectopsycha exquisita	L	I	1	Gov Floyd 2004			
Polycentropodidae	L	III	5	MCB 2019	dam/imm		
Cynellus fraterrus	L	II	7	"			
Macronychus glabratus	L	I	1	Hils Schm 1992			
Stenelmis musgravei	A	I	1	"			
Gammarus pseudolimnaeus	A	III	3	Hils 1972			
<del>Amphipod</del> Echinogammarus ischnus	A	I	1	Thorp Reg 2016			
Physa	A	II	7	Thorp Reg 2016			↓
<del>Spit 12 Chironomidae</del>	L	BTJJD					
<del>Spit 12 worm</del>	A	IIJJD					
Tanypterae	L	III	3	And et al 2013	dam/imm	N	N
Abalatesmyia (Abalatesmyia)	L	I	5	"	imm	N	
A. (A.) mallochii	L	I	1	Bolton 2012			
Concha pelopia	L	II	2	And et al 2013			
Nilotanyptus	L	I	1	"			
Thienemannimyia group	L	X	10	"	imm	N=1, Y	
Nanocladius (Nanocladius)	L	I	1	"	imm		
Chironominae	L	III	3	"	imm	N	
Dicortendipes	L	II	2	"			
Paratanypterus species A	L	I	1	Hils unpubl			
Phenapsicta abedrensis group	L	I	1	Epler 2001			
Polypedilum (Polypedilum) Pallas group	L	II	2	Bolton 2012			
P. (P.) illinoense group	L	II	2	"			
P. (Tripodina) scalanum group	L	I	1	"			
Tanytarsus	L	I	1	And et al 2013			
Tribelus juvenis	L	I	1	Bolton 2012			↓
Nais communis	A	I	1	Kath Brin 1998			N
Tubificinae	A	I	1	"	frag		N