

MLR-11

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> MILWAUKEE RIVER	<b>Waterbody ID Code</b> 15000	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20201009-67-01
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<b>Sampling Location</b> Riffle adjacent to Auxiliary Court	<b>Database Key</b> 251163057
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<b>SWIMS Station ID</b> 10021354	<b>SWIMS Station Name</b> MILWAUKEE RIVER 740FT BELOW VETERANS AVE
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<b>Latitude</b> 43.4206	<b>Longitude</b> -88.1802	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> MILWAUKEE RIVER	<b>Watershed Name</b> EAST AND WEST BRANCHES MILWAUKEE R	<b>County</b> WASHINGTON
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Holtzer, Craig	<b>Project Name</b> MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA
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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

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 13.08	<b>D.O. (mg/l)</b> 12.08	<b>D.O. (% sat.)</b> 116.1	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b> 1156	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> 1.67	circle units m/s or (f/s)	<b>Average Stream Depth of reach (m)</b> .3	<b>Average Stream Width of reach (m)</b> 25
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ 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 (%)** 10    **Canopy Cover at Sample Site (%)** 20

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Coash, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>4.2 + 4.6 = 8.8</i>
Date Processed <i>1/15/21</i>	Specimens Saved <i>Subsample archived in ABC until Feb 2024</i>	

*D2:3-62 A2:2:4-11*  
*A2:1 42*  
*D2:4:4-14*  
*(129)*

*3.33 + 0.83*

Wisconsin Department of Natural Resources

ABL SampleNum: 20201009-67-01

Taxonomist: Dimick, Jeffrey

Waterbody: Milwaukee River

SWIMS Database Key: 251163057

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis intercalaris</i>	L	III	4	Klub 2016		
<i>B. flavistriga</i> species complex	L	III	4	"		
<i>Isonychia anoka</i>	L	I	1	"		
Heptageniidae	L	II	2	Merrillum B 2019	dam	N
<i>Maccaffertium</i>	L	I	6	Klub 2016	imm	Y
<i>M. medipunctatum</i>	L	I	1	"		
<i>Stenacron</i>	L	I	1	Merrillum B 2019	imm	
<i>Tricorythodes</i>	L	I	6	"		
<i>Taeniopteryx</i>	L	I	1	"	imm	
<i>Protophila</i>	L	III	3	"		
<i>Ceratopsyche bronteri</i>	L	II	2	Schmittils 1986		
<i>C. macosa bifida</i> form	L	III	3	"		
<i>Cheumatopsyche</i>	L	8-11	48	Merrillum B 2019		
<i>Hydropsyche betteni</i>	L	I	2	Schmittils 1986		
<i>Leuctrichia pictipes</i>	L	III	3	Hils 1995		
<i>Chimarra obscura</i>	L	III	8	Hils 1982		
<i>Psychomyia flavida</i>	L	I	1	Hils 1995		
<i>Optioservus</i>	L	I	1	Merrillum B 2019	imm	N
<i>O. fastiditus</i>	L	III	3	Hils Schmitt 1992		
<i>Stenelmis</i>	L	III	8	Merrillum B 2019		
<i>Perphenus herricki</i>	L	I	1	Hils Schmitt 1992		
<i>Cardiocladius</i>	P	I	1	Merrillum B 2019		N
Empididae	P	I	1	"		
<i>Pisidium</i>	A	III	3	Thorp 2016		
<del>Split A2 Chironomidae</del>	L	X + JJD				
<i>Cardiocladius obscurus</i>	L	III	4	Epler 2001		
<i>Tretania discoloripes</i> group	L	I	6	Bode 1983		
<i>Microtendipes pedellus</i> group	L	II	2	And et al 2013		
Orthocladinae 08300000	L	III	3	"	imm	N
<i>Cricotopus (Cricotopus) tremulus</i> group	L	I	1	"		
<i>Orthocladus (Orthocladus)</i>	L	I	1	"		
<i>Polypedilum (Uresipedilum) flavum</i>	L	III	3	Bolton 2012		
<i>Rheotanytarsus</i>	L	I	1	And et al 2013		