

WBM-02

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name WEST BRANCH MILWAUKEE RIVER	Waterbody ID Code 40400	Sample ID (YYYYMMDD-CY-FD) 20201008-20-32
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Sampling Location Upstream Hwy 67	Database Key 251163185
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SWIMS Station ID 10016885	SWIMS Station Name W. BR. MILWAUKEE R. - 150 FEET NORTH OF HWY 67 BRIDGE
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Latitude 43.5947	Longitude -88.3399	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 EAST AND WEST BRANCHES MILWAUKEE R	County FOND DU LAC
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Sample and Site Descriptors

Sample Collector (Last Name, First) Schnitz, Amanda	Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATA
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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) 2	Estimated Area Sampled (m²) 1	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 13.25	D.O. (mg/l) 10.42	D.O. (% sat.) 100	pH (su) 7.21	Conductivity (umhos/cm) 826	Transparency (cm) 75
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .5	Average Stream Width of reach (m) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): _____
 Rubble (tennisball to basketball): 60
 Gravel (ladybug to tennisball): 30
 Sand: 10
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____
 Leaf Snags: _____
 Coarse Woody Debris: _____
 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40
Canopy Cover at Sample Site (%) 80

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

For Lab Use Only

Sample Sorter <i>Coush, Natalie</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>100%</i>
Date Processed <i>1/7/21</i>	Specimens Saved <i>Subsample archived in ABC until Feb 2024</i>	

B2:4-17

B2:1 + D3:3 = 101

D3:4-36

154

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis intercalaris</i>	L	"	2	Klueh 2016		
<i>B. flavistriga</i> species complex	L	"	2	"		
<i>Chamaetypsyche</i>	L	⊖	71	Merrillum B 2019		
<i>Hydropsyche</i>	L	ii	2	Hils 1995	imm	N
<i>H. betterii</i>	L	-iii	8	Schmittils 1986		
<i>Optioservus</i>	L	x	15	Merrillum B 2019	imm	N
<i>O. fastidius</i>	L	x	10	Hils Schmitt 1992		
<i>Stenelmis</i>	L	xii	12	Merrillum B 2019		N
<i>S. crenata</i>	A	ii	2	Hils Schmitt 1992		
<i>Hemerodromia</i>	L	-i	4	Merrillum B 2019		
<i>Simulium venustum</i> species complex	L	"	2	Adler et al 2004		
<i>S. vittatum</i> species complex 08110217	L	iii	3	"		
<i>Gammarus pseudolimnoides</i>	A	iii	4	Hils 1972		
<i>Caecidotea intermedia</i>	A	ii	2	Will 1972		
Dugesidae	A	i	1	Thorp Bog 2016		
Tubificinae (without hairs)	A	-i	6	Kath Brin 1998		
Split Az Chironomidae	L	-viii			2013	
<i>Microtendipes pedellus</i> group	L	iii	3	And et al 2016		
<i>Eukiefferiella clarensis</i> group	L	i	1	"		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L	i	1	"		
<i>Thienemanniella xenia</i>	L	i	1	Bolton 2012		
<i>Polypedium</i> (<i>Uresipedium</i>) <i>flavum</i>	L	i	1	"		
<i>Rheotanytarsus</i>	L	/	5	And et al 2013		

L3 taxa, TUAL E2.D