

EBM-01

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EAST BRANCH MILWAUKEE RIVER	Waterbody ID Code 36900	Sample ID (YYYYMMDD-CY-FD) 20201008-67-22 ✓
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Sampling Location US STA 28	Database Key 251163021
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SWIMS Station ID 10051139	SWIMS Station Name EAST BRANCH OF THE MILWAUKEE RIVER AT HWY 28
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Latitude 43.5212	Longitude -88.2031	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 WASHINGTON
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Sample and Site Descriptors

Sample Collector (Last Name, First) Watkinson, Arthur	Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRAT
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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) 5	Estimated Area Sampled (m²) 2	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: _____

Water Temp. (C) 14.12	D.O. (mg/l) 12.22	D.O. (% sat.) 118.5	pH (su) 7.64	Conductivity (umhos/cm) 579.7	Transparency (cm) 420
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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) 1.0	Average Stream Width of reach (m) 13
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 5 Gravel (ladybug to tennisball): 10
 Sand: _____ Clay: 5 Silt/Muck: _____ Overhanging Vegetation: 75
 Aquatic Macrophytes: _____ Leaf Snags: 5 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 80
 Canopy Cover at Sample Site (%) 0

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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
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	Cash, Natalie	Taxonomist	Dimick, Jeffrey	Estimated Percent of Sample Sorted	26%
Date Processed	1/12/2021	Specimens Saved	Subsample process archived in ABC until Feb 2024		

C3:4 - 13

A3:3 - 5

C3:1 + A3:2 - 21

C3:3 + A3:1 - 10

C3:2 + A3:4 - 12

A1:2 + A1:3 - 18

A1:1 + A1:4 - 19

C1 - 38

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Labrobaetis propeinquus</i>	L	11	2	Kuh 2016		
<i>Caenis dimidiata</i>	L	1	1	"		
<i>Stenocran</i>	L	1	1	MerlummB 2019	imm	
<i>Calopteryx</i>	L	1	1	"	imm	N
<i>C. acqualilis</i>	L	1	1	West May 2006		
<i>C. maculata</i>	L	11	2	"		
<i>Coenagrionidae</i>	L	11	7	MerlummB 2019	imm	N
<i>Enallagma</i>	L	4	2	"	imm	
<i>Taeniopteryx</i>	L	1	1	"	imm	
<i>Mesovelia mulsanti</i>	A	1	1	Hils 1986		
<i>Cheumatopsyche</i>	L	11	2	MerlummB 2019		
<i>Travenodes melaca</i>	L	11	2	Oliver 1996		
<i>Limnephilidae</i>	L	11	2	MerlummB 2019	imm	
<i>Polycentropus</i>	L	11	2	"		
<i>Liodesus affinis</i>	A	1	1	Hils 1994		
<i>Dubiraphia</i>	L	11	2	MerlummB 2019		N
<i>D. vittata</i>	A	1	1	Hils Schm 1992		
<i>Macronychus glabratus</i>	L	1	1	"		
<i>Tropisternus rufator</i>	A	1	1	Hils 1995c		
<i>Neopha striola</i>	A	11	7	Hils 1995		
<i>Coarctonyx</i>	A	III	3	Thorp Reg 2016	fem	
<i>Gammarus pseudolimnoides</i>	A	11	2	Hils 1972		
<i>Hyalella</i>	A	2111	24	Soucek et al 2015		
<i>Caccidotea intermedia</i>	A	8x1	55	Will 1972		
<i>Ferrissia rivularis</i>	A	1	1	Thorp Reg 2016		
<i>Physa</i>	A	1	6	"		
<i>Gyradus circumstriatus</i>	A	11	2	"		
<i>Pisidium</i>	A	11	2	"		
Split A2 Chironomidae	L	0-35				
<i>Thienemannella</i>	L	1	1	And et al 2013	imm	N
<i>Cryptochironomus</i>	L	1	1	"		
<i>Pseudochironomus</i>	L	1	1	"		
<i>Thienemannimyia</i> group	L	11	2	"	imm	
<i>Cricotopus (Cricotopus) brinatus</i> group	L	1	5	"		
<i>Thienemannella lobapodema</i>	L	1	1	Bolton 2012		
<i>T. xena</i>	L	1	1	"		
<i>Paratanytarsus</i>	L	III	4	And et al 2013	nd in det	N

