

MLR-15

State of Wisconsin
Department of Natural Resources
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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 MILWAUKEE RIVER			Waterbody ID Code 15000		Sample ID (YYYYMMDD-CY-FD) 20201029-41-43	
Sampling Location Right channel + Estabrook Island					Database Key 251837261	
SWIMS Station ID 10012616		SWIMS Station Name MILWAUKEE RIVER - SOUTH OF ESTABROOK PARK DAM				
Latitude 43.1019785	Longitude -87.9113598	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>			Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) MILWAUKEE RIVER			Watershed Name MILWAUKEE RIVER SOUTH		County MILWAUKEE	
Sample and Site Descriptors						
Sample Collector (Last Name, First) CRAIG HELKER <i>Sabra Raczka</i>				Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATE		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman		
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler		<input type="checkbox"/> Other: _____
Habitat Sampled						
<input checked="" type="checkbox"/> Riffle		<input checked="" type="checkbox"/> Run		<input type="checkbox"/> Pool		
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat		
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland		
Total Sampling Time (min) 2min	Estimated Area Sampled (m²) 1m ²		Number of Samples in Composite 1		Replicate No. 1 of 1	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: <i>Milwaukee River Monitoring</i>		
Water Temp. (C) 5.5	D.O. (mg/l) 12.83	D.O. (% sat.) 101.3	pH (su) 7.14	Conductivity (umhos/cm) 618.1		Transparency (cm)
Water Color				Estimated Stream Velocity (m/s)		
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained				<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)		
Measured Velocity X		Average Stream Depth of reach (m) .7		Average Stream Width of reach (m) 50		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): <u>20</u>		Rubble (tennisball to basketball): <u>20</u>		Gravel (ladybug to tennisball): <u>10</u>
Sand: _____		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: <u>10</u>
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: <u>40</u>		Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>10%</u>				Canopy Cover at Sample Site (%) <u>0%</u>		

11

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

Comments

Special Instructions for Laboratory

A B C D

For Lab Use Only

Sample Sorter <i>Rachael Valeria</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>100%</i>
Date Processed <i>2/17/2021</i>	Specimens Saved <i>Subsample archived in ABE project-specific archive</i>	

A2 Q1 4 D1 Q2 0 A2 Q2 1 D1 Q4 0 A2 Q4 1
specs = 47
D1 Q3 0 A2 Q3 0 D1 Q1 0 E3 2 B1 6 C1 5 E2 D2 1 D3 B3 0 A1 7 C2 2 E1 1 A3 2 C3 2 B2 3

