

MLR-14

State of Wisconsin
 Department of Natural Resources
 PO Box 7291, Madison WI 53707-7291
 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) 20201009-67-03
Sampling Location ds platform		Database Key 249875130	
SWIMS Station ID 10030440		SWIMS Station Name MILWAUKEE RIVER NEAR STOCKHAUSEN LN UPSTREAM FROM AIRPORT	
Latitude 43.4196	Longitude -88.1453	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name EAST AND WEST BRANCHES MILWAUKEE R	County WASHINGTON
Sample and Site Descriptors			
Sample Collector (Last Name, First) CRAIG HELKER		Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA	
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 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) 1	Estimated Area Sampled (m ²) 1	Number of Samples in Composite	Replicate No. _____ of _____
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: <u>Milwaukee River Study</u>			
Water Temp. (C) 13.81	D.O. (mg/l) 13.43	D.O. (% sat.) 130.34	pH (su) \pm 7.82
Conductivity (umhos/cm) 1215		Transparency (cm) 4120	
Water Color		Estimated Stream Velocity (m/s)	
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained		<input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)	
Measured Velocity 2.08	circle units m/s or f/s	Average Stream Depth of reach (m) 8m	Average Stream Width of reach (m) 25m
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 3040
Sand: 30	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
Embeddedness of Substrate at Sample Site (%) 50		Canopy Cover at Sample Site (%) 10	

* pit wonky

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 PRV	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13.3%
Date Processed 01/16/20	Specimens Saved Subsample	164 archived in AOL with 1 RB (2024)

2E 3D
 88 76

$\frac{8}{60} = 164 \text{ specs.}$

13.3%

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerentoma pygmaea</i>	L	II	2	Kleb 2016		
<i>Baetis intercalaris</i>	L	I	5	"		
<i>B. flavistriga</i> species complex	L	III	3	"		
<i>Isonychia anoka</i>	L	II	2	"		
^{1/2} <i>Leuctra</i>	L	II	2	Merlumm B 2019		
<i>Maccallertium</i>	L	III	4	Kleb 2016	imm	Y
<i>M. mediopunctatum</i>	L	III	4	"		
<i>Stenacron</i>	L	III	4	Merlumm B 2019	imm	
<i>Tricorythodes</i>	L	XIV	13	"		
<i>Anthopotamus myops</i>	L	I	1	Kleb 2016		
<i>Argia</i>	L	III	3	Merlumm B 2019	imm	N
<i>A. moesta</i>	L	III	3	West May 1996		
^{2/4} <i>Taeniopteryx</i>	L	IV	2	Merlumm B 2019		
^{3/4} <i>Protophila</i>	L	BII	42	"		
<i>Helicopsyche borealis</i>	L	I	1	Hils 1995		
<i>Ceratopsyche branta</i>	L	II	7	Schm Hils 1986		
<i>Chermapsyche</i>	L	III	9	Merlumm B 2019		
<i>Hydropsyche betterii</i>	L	SDI	1	Schm Hils 1986		
<i>Optoserenus fasciatus</i>	L	II	7	Hils Schm 1992		
<i>Stenelmis</i>	L	III	9	Merlumm B 2019		N
<i>S. crenata</i>	A	III	3	Hils Schm 1992		
<i>Psephenus hernicki</i>	L	II	7	"		
<i>Mallochobelia</i>	L	I	1	Hils 1995		
<i>Simulium luggeri</i>	L	II	2	Adl et al 2004		
<i>S. vittatum</i> species complex 08110218	L	I	1	"		
<i>Gammarus pseudolimnoides</i>	A	I	1	Hils 1972		
Cambaridae = Astacidae	A	I	1	Thorp Bog 2016	dam	
<i>Laevarex fuscus</i>	A	III	3	"		
<i>Pisidium</i>	A	OX	30	"		
<i>Ephedella punctata punctata</i>	A	I	1	Klemm 1985		
<i>Helobdella echoensis</i>	A	I	1	Saglam et al 2018		
Split Az Chironomidae	L	XT-SD				
<i>Cricotopus (Cricotopus) bicinctus</i> group	L	I	1	And et al 2013		
<i>Polypedilum (Uresipedilum) flavum</i>	L	I	5	Bolton 2012		
<i>Rheotanytarsus</i>	L	I	5	And et al 2013		

3 taxa, TVAL ≤ 2.0
 46 > (0.1 x 138)