CLT-01

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)

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
UNNAMED	37300	20201008-20-35

Sampling Location	**Database Key**
Rifle, US CTH GGG	251163169

SWIMS Station ID	**SWIMS Station Name**
10037506	UNNAMED (WBIC=37300) US CTH GGG

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.5978	-88.1699	SWIMS (SWDV) GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	EAST AND WEST BRANCHES MILWAUKEE R	FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Schmitz, Amanda	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA

Sampling Device

- [x] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [x] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ____ **of** ____
2	1		

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
10.06	10.73	95.9	7.54	583.4	85

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [x] Moderate (0.15 m/s - 0.5 m/s)
- [ ] Fast (> 0.5 m/s)

Measured Velocity (circle units m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	.4	6

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 (%)** 30

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)

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
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Cowsh, Natalie	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: ~~3.33%~~ 3.3
Date Processed: 1/11/2021	Specimens Saved: Subsample archived in NBL until Feb 2024	

B3:3 = 91
E1: 2 = 41
132

Wisconsin Department of Natural Resources
ABL SampleNum: **20201008-20-35**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed (37300)**
SWIMS Database Key: **251163169**

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
	Heptageniidae	L	II	2	MerrSummB 2019	imm	N
1/3	Maccaffertium vicarium	L	III	3	Klub 2016		
	Leptophlebia	L	XI	11	MerrSummB 2019	imm	
2/12	Taeniopteryx	L	-IIII	9	"	imm	
	Ceratopsyche bronta	L	I	1	SchmHils 1986		
	Cheumatopsyche	L	0-	25	MerrSummB 2019		
	Hydropsyche	L	I	1	Hils 1995	imm	N
	H. betteni	L	-II	7	SchmHils 1986		
	Chimarra aterrima	L	-IIII	9	Hils 1982		
3/13	Psychomyia flavida	L	I	1	Hils 1995		
	Neophylax	L	I	1	MerrSummB 2019	imm	
	Climacia areolaris	L	I	1	Hils 1995		
	Optioservus	L	0IIII	25	MerrSummB 2019	imm	N
	O. fastiditus L,9 A,1	L,A	X	10	HilsSchm 1992		
	Macronychus glabratus	L	I	1	MerrSummB 2019		
	Stenelmis	L	-I	6	"		
	Hemerodromia	L	III	3	"		
	Simulium jenningsi species group	L	I	1	Adl et al 2004		
	S. vittatum species complex 08110218	L	II	2	"		
	Antocha	L	III	3	MerrSummB 2019		
	Dicranota	L	III	3	"		
	Gammarus pseudolimnaeus	L	I	1	Hols 1972		
	Naidinae	A	I	1	KathBou 1998		
	Tubificinae (without hairs)	A	III	3	"		
	~~Split Az Chironomidae~~	~~L~~	~~-III 30~~				
	Cricotopus	L	I	1	Adetal 2013		
	Orthocladius (Orthocladius)	L	I	1	"		
	Cladotanytarsus	L	III	3	"		
	Microspectra	L	I	1	"		
	Rheotanytarsus	L	I	1	"		
	Tanytarsus	L	I	1	"		

3 taxa, TUAL ≤ 2.0
13 = (0.1 x 130)