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	26300	20191104-46-07

Sampling Location: US Maple Road

Database Key: 220742851

SWIMS Station ID	**SWIMS Station Name**
10008817	UN CR (MOLE CREEK) STATION #1 AT MAPLE ROAD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.3489	87.9657	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	MILWAUKEE RIVER SOUTH	OZAUKEE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRAT

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** ____
1	1		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
5.94	10.85	89.0		716.8	+120

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

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

Measured Velocity	circle units	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
2.5	m/s or (f/s)	.4	2.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 40

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 0

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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	Taxonomist	Estimated Percent of Sample Sorted
Eric Haas	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
6/16/2020	Subsample archived in ABL until Aug 2023	

C2 O2
58 78 = 136

Wisconsin Department of Natural Resources
ABL SampleNum: **20191104-46-07**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Creek (26300, Mole Creek)**
SWIMS Database Key: **220742851**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Maccaffertium mediopunctatum	L	II	2	Klch 2016		
Stenacron	L	0111	22	"	imm	N
S. interpunctatum	L	111	3	"		
Helicopsyche borealis	L	X	10	Hils 1995		
Ceratopsyche bronta	L	IIII	4	Schm Hils 1986		
C. slossonae	L	I	1	"		
Cheumatopsyche	L	X 0111	33	MerrCumm B 2019		
Hydropsyche betteni	L	IIII	4	Schm Hils 1986		
Psychomyia flavida	L	III	3	Hils 1995		
Macronychus glabratus	L	I	1	Hils Schm 1992		
Optioservus	L	-111	8	"	imm	N
O. fastiditus L, 21 A, 3	LA	0111	24	"		
Stenelmis	L	-111	8	"		N
S. crenata	A	II	2	"		
Ectopria leechi/nervosa	L	X/I	16	"		
Nemerodromia	L	II	2	MerrCumm B 2019		
Chrysops	L	I	1	"		
Cricotopus	P	I	1	"		
Gammarus pseudolimnaeus	A	-II	7	Hols 1972		
Caecidotea intermedia	A	IIII	5	Will 1972		
Tubificinae	A	I	1	Brinkhurst 1991	post frag	
Hydrobiidae NOT P. antipodarum	A	IIII	4	Brown 1991		
Sphaerium simile	A	I	1	Mackie 2007		
~~Split A2 Chironomidae~~	L	XIII VII				
Brillia	L	I	1	And+3 2013	imm	
Thienemanniella	L	I	1	"	imm	N
Cladotanytarsus	L	-II	7	Epl et al 2013		
Microtendipes pedellus group	L	IIII	4	"		
Orthocladius (Orthocladius)	L	I	1	And+3 2013		
Thienemanniella xena	L	I	1	Bolton 2012		
Polypedilum (Tripodura) scalaenum group	L	I	1	"		
P. (Uresipedilum) flavum	L	-	5	"		
Rheotanytarsus	L	I	1	Epl et al 2013		