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)**
MUKWONAGO RIVER	765500	20211105-65-04

Sampling Location	**Database Key**
@ Nature Rd bridge	290019663

SWIMS Station ID	**SWIMS Station Name**
10029287	MUKWONAGO RIVER AT NATURE RD BRIDGE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.830734	-88.46422	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
FOX (IL)	MUKWONAGO RIVER	WALWORTH

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
RACHEL A SABRE, AMANDA SCHMITZ	MUKWONAGO RIVER TWA-_01_2021

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [X] Run
- [ ] Pool
- [X] Other Woody
- [ ] 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** ___
2m	1m2	1	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
0.54	—	—	7.87	821.2	120

Water Color

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

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)**
	.3m	6.5m

Composition of Substrate Sampled (Percent):

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

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

Aquatic Macrophytes: 5% Leaf Snags: 10% Coarse Woody Debris: 85% Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 100 **Canopy Cover at Sample Site (%)** 0

20211105-65-04
Station #10029287
1 of 1, Mukwonago River @ Nature Rd Bridge
WBIC #765500
Rachel Sabre
Mukwonago TWA_01_2021

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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
Katherine McClure	Dimick, Jeffrey	50.0%
Date Processed	**Specimens Saved**	
7/21/22	Subsample archived in ABL until Sept 2025	

B494:7 A292:5 C292:4 D191:1 A494:6 D494:3 D393:1 B393:4
B492:4 A294:3 C293:4 D192:7 A492:6 D491:3 D392:3 B391:5
B491:3 A293:4 C291:5 D194:1 A493:5 D493:7 D391:6 B394:2
B493:4 A291:5 C294:3 D193:4 A491:3 D492:6 D394:1 B392:2

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Wisconsin Department of Natural Resources
ABL SampleNum: **20211105-65-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mukwonago River**
SWIMS Database Key: **290019663**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis punctata	L	I	1	Klub 2016		
Calopteryx maculata	L	II	2	WestMay 2006		
Belostoma flumineum	A	II	2	Hils 1984a		
Helicopsyche borealis	L	I	1	Hils 1995		
Cheumatopsyche	L	8III	33	MCB 2019		
Hydropsyche betteni	L	⌐	5	~~Hils~~ SchmHils 1986		
Hydroptila	L	⌐I	6	MCB 2019		
Oecetis	L	I	1	"	imm	
Triaenodes	L	I	1	"	imm	
Elophila	L	I	1	"		
Dubiraphia	L	I	1	MCB 2019		
Macronychus glabratus L.3 A.1	L,A	IIII	4	Hils 1995		
Haliplus	L	II	2	MCB 2019		
Hemerodromia	L	IIII	4	"		
Chrysops	L	I	1	"		
Gammarus pseudolimnaeus	A	x-IIII	19	Hols 1972		
Caecidotea intermedia	A	▢-IIII	29	Will 1972		
Crangonyx	A	I	1	ThorpRog 2016	Fem	
Fossaria	A	xIII	13	Burch 1989		
Stagnicola	A	II	2	"		
Hydrobiidae	A	⌐II	7	"		
Physa	A	8-I	46	Thorp Rog 2016		
Pisidium	A	xI	11	"		
Sphaerium	A	II	2	"	imm	N
S. striatinum	A	I	1	Mackie 2007		
Tubificinae (with hairs)	A	I	1	KathBrin 1998		Y
Tubificinae (without hairs)	A	⌐	5	"		Y
Helobdella echoensis	A	I	1	Saglam et al 2018		
Lebertia	A	I	1	Peek et al 1990		
0.25 ~~Split 2 Chironomidae~~	~~L~~	~~IIII~~ ???				
Clinotanypus	L	I	1	And et al 2013		
Parametriocnemus	L	III	3	"		
Tvetenia bavarica group	L	⌐	5	Bode 1983		
Rheotanytarsus	L	I	1	And et al 2013		
Nanocladius (Nanocladius)	L	I	1	"	imm	
Micropsectra	L	I	1	"		

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Polypedilum (Uresipedilum) flavum	L	1	1	Bolton 20[illegible]		
Pseudochironomus	L	1	1	[illegible] et al 2013		