

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name MUKWONAGO RIVER		Waterbody ID Code 765500		Sample ID (YYYYMMDD-CY-FD) 20211105-65-03	
Sampling Location DS Bluff Rd				Database Key 290019611	
SWIMS Station ID 10029269		SWIMS Station Name MUKWONAGO RIVER 110M DS BLUFF RD BRIDGE			
Latitude 42.82473	Longitude -88.47156	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) FOX (IL)		Watershed Name MUKWONAGO RIVER		County WALWORTH	
Sample and Site Descriptors					
Sample Collector (Last Name, First) RACHEL A SABRE, AMANDA SCHMITZ			Project Name MUKWONAGO RIVER TWA-01_2021		
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 type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input checked="" 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) 30 min	Estimated Area Sampled (m ²) PM2	Number of Samples in Composite 1		Replicate No. 1 of 1	
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference <input checked="" type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: _____					
Water Temp. (C) 7.3	D.O. (mg/l) -	D.O. (% sat.) -	pH (su) 7.6	Conductivity (umhos/cm) 778.0	Transparency (cm) 120
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity <input checked="" type="checkbox"/> circle units m/s or f/s	Average Stream Depth of reach (m) .2m		Average Stream Width of reach (m) 3m		
Composition of Substrate Sampled (Percent):					
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): 60		
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: 40		
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____					
Embeddedness of Substrate at Sample Site (%) 40			Canopy Cover at Sample Site (%) 10		

20211105-65-03
 Station #10029269
 1 of 1, Mukwonago River @ 110 M DS Bluff Rd Bridge
 WBIC #765500
 Rachel Sabre
 Mukwonago TWA_01_2021

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	Factors that may be influencing Water Resource Integrity		Local	Water-shed
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 Katherine McClure	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 21.9%
Date Processed 7/21/22	Specimens Saved Subsample archived in ABL until Sept 2025	

C191: 3 B393: 3 D292: 11 C494: 13
 C192: 11 B394: 26 D294: 7 C493: 20
 C194: 10 B392: 9 D291: 4 C491:
 C193: 13 B391: 1 D293: 4 C492:

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Labidocera frondalis</i>	L u		2	Hols 2016		
<i>Stenocera</i>	L u		2	MCB 2019	imm	
<i>Cheumatopsyche</i>	L x1		11	"		
<i>Hydropsyche betteri</i>	L u		6	Schm Hols 1986		
<i>Hydropsyche</i>	L III		3	MCB 2019		
<i>Limnophilidae</i>	L I		1	"		
^{1/3} <i>Psychomyia flavida</i>	L III		3	Hols 1995		
<i>Neophylox</i>	L I		1	MCB 2019	imm	
<i>Dubiraphia</i>	L u		2	"		
<i>Macronychus glabratus</i>	L I		1	Hols 1995		
<i>Optrosenus</i>	L or III		29	MCB 2019	imm	N
<i>O. fastidius</i>	L I		5	Hols Schm 1992		
<i>Stenelmis</i>	L III		4	MCB 2019		N
<i>S. crenata</i>	A I		1	Hols Schm 1992		
<i>Probrezzia</i>	L I		1	Hols 1995		
<i>Bezzia/Palpromyia</i>	L II		2	"		
<i>Wemerodromya</i>	L II		2	MCB 2019		
<i>Simulium vittatum</i> species complex OB16217	L II		2	Adl et al 2004		
<i>Chrysops</i>	L I		1	MCB 2019		
<i>Antocha</i>	L u		2	"		
<i>Gammarus pseudolimnoides</i>	A II		3	Hols 1972		
<i>Caecidotea</i>	A I		1	Thorp Bog 2016	imm	
<i>Dugesiiidae</i>	A I		1	"		
<i>Naidinae</i>	A u		2	Kahn Barn 1998		
<i>Tubificinae</i> (with hairs)	A I		1	"		
<i>Lebertia</i>	A III		3	Peck et al 1990		
Split A? Chironomidae	L x III JSD					
<i>Corynoneura</i>	L I		1	Adl et al 2013		
<i>Cladotanytarsus</i>	L O-		25	"		
<i>Microtanytarsus pedilus</i> group	L I		1	"		
<i>Rhodotanytarsus</i>	L III		4	"		
<i>Stenochironomus</i>	L I		1	"		
<i>Metopletaria</i>	L u		2	"		
<i>Thienemannimyia</i> group	L I		1	"	imm	N
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bianchus</i> group	L u		2	"		
<i>Orthocladius</i> (<i>Orthocladius</i>)	L I		5	"		

<3 taxa, TVAL 52.0

