

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> MUKWONAGO RIVER		<b>Waterbody ID Code</b> 765500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 2021105-65-02
<b>Sampling Location</b> US bluff Rd.		<b>Database Key</b> 290019659	
<b>SWIMS Station ID</b> 10029290	<b>SWIMS Station Name</b> MUKWONAGO RIVER AT BLUFF RD BRIDGE		
<b>Latitude</b> 42.823914	<b>Longitude</b> -88.472565	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> FOX (IL)		<b>Watershed Name</b> MUKWONAGO RIVER	<b>County</b> WALWORTH

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> RACHEL A SABRE, AMANDA SCHMITZ	<b>Project Name</b> MUKWONAGO RIVER TWA- 01_2021
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**Sampling Device**

D-Frame Kick Net    
  Surber Sampler    
  Eckman  
 Ponar    
  Artificial Substrate    
  Hess Sampler    
  Other: \_\_\_\_\_

**Habitat Sampled**

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

<b>Total Sampling Time (min)</b> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference    
  Baseline    
  Impact / Treatment Site  
 Control Site    
  Trend    
  Other: \_\_\_\_\_

<b>Water Temp. (C)</b> 3.05	<b>D.O. (mg/l)</b> 10.65	<b>D.O. (% sat.)</b> 78.3	<b>pH (su)</b> 7.09	<b>Conductivity (umhos/cm)</b> 816.9	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> <del>_____</del> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> .4 m	<b>Average Stream Width of reach (m)</b> 3 m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: 75  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 15 Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

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

20211105-65-02  
 Station #10029260  
 1 of 1, Mukwonago River @ US 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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				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 Dimock, Jeffrey	Estimated Percent of Sample Sorted 45.3%
Date Processed 7/14/2022	Specimens Saved Subsample archived in ABL into 1 Sept 2025	

B393:5 D494:3 C1:22 A3:3  
 B394:2 D491:2 C3:14 D193:2  
 B391:4 D493:5 A2:23  
 B392:4 D492:6 A1:31

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Wisconsin Department of Natural Resources

ABL SampleNum: 20211105-65-02

Taxonomist: Dimick, Jeffrey

Waterbody: Mukwonago River

SWIMS Database Key: 290019659

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Labidocera frondalis</i>	L	I	1	Krebs 2016		
<i>Colepteryx maculata</i>	L	I	1	West May 2006		
<i>Cheumatopsyche</i>	L	I	1	MCB 2019		
<i>Hydroptila</i>	L	III	3	Wigg 1977		
<i>Oxyethira</i>	L	I	1	MCB 2019		
<i>Platycentropus</i>	L	II	2	"		
<i>Ptilostomis</i>	L	I	1	"		
<i>Polycentropus</i>	L	III	3	"		
<i>Sirona</i>	L	I	1	"	imm	
<i>Laccophilus maculosus</i>	A	I	1	Hols 1992		
<i>Dubiraphra quadrimotata</i>	A	I	1	Hols Schum 1992		
<i>Macronychus glabratus</i>	L	III	3	Hols 1995		
<i>Colcoides</i>	L	I	1	"		
<i>Dasyhebra</i>	L	III	6	MCB 2019		
<i>Probezzia</i>	L	I	1	Hols 1995		
<i>Dixella</i>	L	III	4	MCB 2019		
<i>Hemerochroma</i>	L	II	2	"		
<i>Ephydriidae</i>	L	I	1	"		
<i>Simulium vittatum</i> species complex 08110217	L	II	2	Adl et al 2004		
<i>Obolomyia</i>	L	III	3	MCB 2019		
<i>Erioptera</i>	L	II	2	"		
<i>Geranomyia</i>	L	I	1	"		
<i>Helius</i>	L	III	3	"		
<i>Gammarus pseudolimnaeus</i>	A	III	3	Hols 1972		
<i>Caecidotea intermedia</i>	A	XIII	14	Will 1972		
<i>Enchytraeidae</i>	A	III	6	Thorp Rag 2016		
<i>Naidinae</i>	A	I	1	Kath Ran 1998		
<i>Tubificanæ (without hairs)</i>	A	I	1	"		
<i>Metagynophora = Megadrili</i>	A	I	1	Thorp Rag 2016		
<i>Cyclopidae</i>	A	L	1	"		
<i>Harpacticoida</i>	A	II	2	"		
<del><i>Spinifera chloranthera</i></del>	L	IX	10			
<del><i>Spinifera chloranthera</i></del>	L	IX	10			
<i>Climacomyia</i>	L	I	1	And et al 2013		
<i>Labrundinia pilosella</i>	L	II	2	Bolton 2012		
<i>Corynoiceta</i>	L	III	3	Fuc et al 2013		

23 taxa, TVALS2-D

