

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> 20211105-68-08
<b>Sampling Location</b> @ OS Hwy 83			<b>Database Key</b> 290019586
<b>SWIMS Station ID</b> 10010534		<b>SWIMS Station Name</b> MUKWONAGO RIVER (1) - UPSTREAM OF HWY 83	
<b>Latitude</b>	<b>Longitude</b>	<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> WAUKESHA

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> RACHEL A SABRE, AMANDA SCHMITZ	<b>Project Name</b> SER LONG-TERM TREND WADEABLE REFERENCE STREAM
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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> 20m	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1m <sup>2</sup>	<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> 6.62	<b>D.O. (mg/l)</b> -	<b>D.O. (% sat.)</b> -	<b>pH (su)</b> 8.0	<b>Conductivity (umhos/cm)</b> 793.3	<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> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.25m	<b>Average Stream Width of reach (m)</b> 10m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 30     
 Rubble (tennisball to basketball): 30     
 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 (%)** 10     
**Canopy Cover at Sample Site (%)** 0%

20211105-68-08  
 Station #10010534  
 1 of 1, Mukwonago River US Hwy 83  
 WBIC #765500  
 Rachel Sabre  
 Mukwonago TWA\_01\_2021/ Ref Wadeable Baseline

**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

R2 C3: D1  
 93-18 93-23 = 140  
 94-18 91-27  
 92-29 94-25  
 91- 92-

**For Lab Use Only**

Sample Sorter Mary Joy Relagio	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted R1 4.7% / R2 9.4%
Date Processed 11-16-22	Specimens Saved Subsamples archived in ABL w/01 Mar 2026	

R1 A1 A2  
 91-62 92-57 = 147  
 93-28 94-  
 92- 91-  
 94- 93-

