

Mukwonago River @ Hwy 83
 Station # 10010534
 Sample 1 of 1
 20181025-68-02
 Rachel Sabre

State of Wisconsin
 Department of Natural Resources
 PO Box 7291, Madison WI
 dnr.wi.gov

Wadeable Macroinvertebrate
 Field Data Report
 Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name MUKWONAGO RIVER			Waterbody ID Code 765500		Sample ID (YYYYMMDD-CY-FD) 20181025-68-02
Sampling Location					Database Key 169406812
SWIMS Station ID 10010534		SWIMS Station Name MUKWONAGO RIVER (1) - UPSTREAM OF HWY 83			
Latitude 42.85642	Longitude -88.32887	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 WAUKESHA	
Sample and Site Descriptors					
Sample Collector (Last Name, First) RACHEL SABRE			Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAM		
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 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) 1 min	Estimated Area Sampled (m ²) 1 m ²	Number of Samples in Composite 1		Replicate No. 1 of 1	
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input checked="" type="checkbox"/> Trend		<input type="checkbox"/> Other: _____	
Water Temp. (C) 8.73	D.O. (mg/l) 12.31	D.O. (% sat.) 108.2	pH (su) 7.97	Conductivity (umhos/cm) 688.0	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 _____ circle units _____ m/s or f/s		Average Stream Depth of reach (m) 0.25 m		Average Stream Width of reach (m) 2.0 m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____	Boulders (basketball or larger): 20	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 30		
Sand: 20	Clay: _____	Silt/Muck: 5	Overhanging Vegetation: _____		
Aquatic Macrophytes: 5	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____		
Embeddedness of Substrate at Sample Site (%) 10%			Canopy Cover at Sample Site (%) 10%		

tops
441.3

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

2B = 79
 1E = 82

Total = 161

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimitri J. Grey	Estimated Percent of Sample Sorted 13%
Date Processed 10/29/2019	Specimens Saved Subsample archived in ABZ mtr/1 Jan 2023	

