

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

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

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

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 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
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Water Color

Clear
 Turbid
 Stained

Estimated Stream Velocity (m/s)

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) 0.25m	Average Stream Width of reach (m) 2.0m
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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%

total
441.3