

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name <b>MECAN RIVER</b>	Waterbody ID Code 155000	Sample ID (YYYYMMDD-CY-FD) 20171017-70-04
Sampling Location US County B		Database Key 149844311

SWIMS Station ID 10029345	SWIMS Station Name MECAN RIVER AT CTH B	
Latitude N 44,02543	Longitude W 89,43591	Lat/Long Determination Method (circle) SWIMS SWDV <b>GPS</b>
Datum Used if using GPS <b>WGS84</b> or NAD83		
Basin (WMU) UPPER FOX	Watershed Name MECAN RIVER	County WAUSHARA

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name MACROINVERTEBRATE SPATIAL ANALYSIS

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) 1.0	Estimated Area Sampled (m <sup>2</sup> ) 0.5	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (°C) 8.9°C 48.7 F	D.O. (mg/l) 9.28	D.O. (% sat.) 79.9	pH (su) 7.83	Conductivity (umhos/cm) 370.8	Transparency (cm) 120
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Water Color <input 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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity 2.56 circle units m/s or <b>f/s</b>	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 7.0
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 50  
 Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 60

**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:		
<b>Physical</b>			Pasturing of Livestock		
Bank Erosion			Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream			Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal			Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Sam Lamorte</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>11/15/18</i>	Specimens Saved <i>Subsample archived in JBL until Feb 2022</i>	

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