

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name MECAN RIVER	Waterbody ID Code 155000	Sample ID (YYYYMMDD-CY-FD) 20171018-39-04
Sampling Location US County E		Database Key 149844339

SWIMS Station ID 10049295	SWIMS Station Name MECAN RIVER AT COUNTY E	
Latitude N43.92006	Longitude W89.31870	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>
Datum Used if using GPS <u>WGS84</u> or NAD83		
Basin (WMU) UPPER FOX	Watershed Name MECAN RIVER	County MARQUETTE

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) 2	Estimated Area Sampled (m <sup>2</sup> ) 1.5	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) 10.4°C <del>50.8</del> F	D.O. (mg/l) 8.83	D.O. (% sat.) 78.8	pH (su) 7.53	Conductivity (umhos/cm) 330	Transparency (cm)
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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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 18
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_

Sand: 40 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_

Aquatic Macrophytes: 30 Leaf Snags: 10 Coarse Woody Debris: 20 Other ( ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) \_\_\_\_\_ Canopy Cover at Sample Site (%) 30

**Stream and Watershed Descriptors**

N = Not a problem      PL = Present, Low Impact  
 U = Uncertain            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 <i>Jesse Olberg</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>11/28/18</i>	Specimens Saved <i>Subsample archived in ABL until Feb 2022</i>	

D3 77 4 hr  
 B2 99 1.5 hr 176  
 C3

*71*  
*1.25 hr*