

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MECAN RIVER		Waterbody ID Code 155000	Sample ID (YYYYMMDD-CY-FD) 20171018-39-01
Sampling Location		Database Key 149844335	
SWIMS Station ID 10041822		SWIMS Station Name MECAN RIVER AT 14TH AVE	
Latitude N 43.96460	Longitude W 89.34707	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 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) 3.0	Estimated Area Sampled (m ²) 2.0	Number of Samples in Composite 1	Replicate No. _____ of _____
----------------------------------	---	-------------------------------------	------------------------------

Reason For Sampling

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

Water Temp. (°C) ^{9.8°C} 49.6 F	D.O. (mg/l) 8.56	D.O. (% sat.) 75.1	pH (su) 7.81	Conductivity (umhos/cm) 347.3	Transparency (cm)
--	---------------------	-----------------------	-----------------	----------------------------------	-------------------

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)
---	--

Measured Velocity 1.20	circle units m/s or f/s	Average Stream Depth of reach (m) 0.8	Average Stream Width of reach (m) 8.0
---------------------------	-----------------------------------	--	--

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: ~~100~~ 25 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 50 Leaf Snags: 25 Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) _____ Canopy Cover at Sample Site (%) 10

No riffles of hard substrate, all shifting sand substrate

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

Comments

Special Instructions for Laboratory

2 caddis case, none
 6 midges
 1 damselfly
 2 snails Phy. lim

For Lab Use Only		
Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>11/26/18</i>	Specimens Saved <i>subsample 257 archived in ABC until Feb 2022</i>	

Grid C-1 257
 7%