

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name MECAN RIVER	Waterbody ID Code 155000	Sample ID (YYYYMMDD-CY-FD) 20171017-70-06
Sampling Location 45 th 11 th Ave		Database Key 149844315

SWIMS Station ID 10010707	SWIMS Station Name MECAN RIVER - 11TH RD IBI STATION 2		
Latitude N44.00760	Longitude W89.39193	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 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) 2.0	Estimated Area Sampled (m ²) 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) 50.3	D.O. (mg/l) 9.72	D.O. (% sat.) 86.1	pH (su) 8.1	Conductivity (umhos/cm) 366.6	Transparency (cm) 120
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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 checked="" 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 1.44	circle units m/s or <u>f/s</u>	Average Stream Depth of reach (m) 0.6	Average Stream Width of reach (m) 8.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): _____

Sand: 75 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: 5 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40 Canopy Cover at Sample Site (%) 0

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

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>11/16/18</i>	Specimens Saved <i>Subsample archived in ABC lab Feb 2022</i>	

DL 262

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
1/2 Taeniopteryx	L	11	2	Hils 1995	imm	
Baetis brunneicolar	L	-1	6	Klub 2016		
B. flavistriga species complex	L	11	2	"		
Ceratopsyche glossanae	L	111	3	Schm Hils 1986		
Deceus	L	1	1	Hils 1995	imm	
Optiosevus fastidius	L	11	2	Hils Schm 1992		
Bezzia/Palpomyia	L	1	1	Hils 1995		
3/3 Simulium heterodromia	L	11	2	Court Meir 2008		
Simulium vittatum species complex 08110217	L	-1111	9	Adl et al 2004		
Antocha	L	1	1	Hils 1995		
Simuliidae 08110000	L	1	1	Court Meir 2008	imm	N
Gammarus pseudolimnoides	A	-1111	9	Hols 1972		
Lebertia	A	1	1	Pluch 1984		
Naididae	A	1	1	BrinGeld 1991		
Tubificinae (without hairs)	A	1	1	Klamm 1985		
Physa	A	1	1	Thorp Reg 2016		
Pisidium	A	11	2	Burch 1972		
ciadotanybarsus	L	1111-1	226	Epl et al 2013		
3/3 Parachadocladus	L	1	1	Ander 3 2013		
Parakiefferella	L	11	2	"		
Parametrocnemus	L	1	1	"		
Orthocladinae 08300000	L	1	1	Graustein 2013	mt indet	Y
Cryptochironomus	L	11	2	Epl et al 2013		
Polypedium (Polypedium) illinoense group	L	1	1	Bolton 2012		
Tanybarsus	L	1111	4	Epl et al 2013		

23 taxa, TVAL = 2.0