

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MECAN RIVER		Waterbody ID Code 155000	Sample ID (YYYYMMDD-CY-FD) 20171018-39-03
Sampling Location @ Dover Ave			Database Key 149844331
SWIMS Station ID 10028746		SWIMS Station Name MECAN RIVER AT DOVER AVENUE	
Latitude N43,93802	Longitude W89,31940	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) 2.0	Estimated Area Sampled (m²) 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) 5.2	D.O. (mg/l) 8.70	D.O. (% sat.) 77.0	pH (su) 7.67	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 0.65	circle units m/s or <u>(f/s)</u>	Average Stream Depth of reach (m) 0.6	Average Stream Width of reach (m) 12
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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: 10
 Aquatic Macrophytes: 40 Leaf Snags: _____ Coarse Woody Debris: 10 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) _____ **Canopy Cover at Sample Site (%)** 10

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
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>Kyle Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>11/27/18</i>	Specimens Saved <i>Subsample archived in ABC until Feb 2022</i>	

CI=145

Wisconsin Department of Natural Resources

ABL SampleNum: 20171018-39-03

Taxonomist: Dimick, Jeffrey

Waterbody: Mican River
SWIMS Database Key: 149844331

Page 1 of 2

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	1	6	Hils 1995	imm	
Baetis brunneicolor	L	iiii	4	Klob 2016		
B. flavistriga species complex	L	1	1	"		
Labidbaetis poppingeri	L	1	1	"		
Ismaeon anoka	L	ii	2	"		
Hexagenia	L	1	1	"	imm	
Maialettum	L	ii	2	"	imm	
Leptophlebia	L	iiiiii	24	"	imm	N
Lacynida	L	1	1	"		
Brachycentrus americanus	L	1	1	Hils 1995		
B. numerosus	L	ii	2	"		
B. occidentalis	L	1	1	"		
Cheumatopsyche	L	1	5	Hils 1995		
Hydropsyche betteni	L	iii	3	Schw Hils 1996		
Ceratopsyche bronta	L	ii	2	"		
C. sparna	L	ii	2	"		
Oecetis	L	1	1	Hils 1995	imm	
Pycnopsyche	L	1	1	"		
Dubiraphia	L	1	1	Hils Schw 1992		
Mallechochelea	L	1	1	Hils 1995		
Probezzia	L	iii	3	"		
Neopristia	L	1	1	Court Meier 2008		
Acricotopus	P	1	1	Feiret et al 2008		
Gammarus pseudolimnacus	A	1	5	Hils 1972		
Nyalia wellborni	A	iiii	4			
Sperchonopsis	A	1	1	Pivick 1984		
Hesperocorixa michiganensis	A	1	1	Hils 1984a		
Physa	A	1	5	Thorp 2016		
Gyraulus deflectus	A	1	1	"		
Tampaninae 0820000	L	1	1	Cranston 2013	imm	N
Abolobesmyia (Abolobesmyia)	L	1	1	Epstein 2013	imm	
Procladius (Holotanyptus)	L	xi	11	"		
Othocladinae 0830000	L	1	1	Cranston 2013		
Brillia	L	1	1	Ander + 3 2013	imm	
Hydrobaenus	L	1	1	"		
Parametricnemus	L	1	1	"		

