

20200904-36.01

Station Summary

Waterbody Name MANITOWOC RIVER		WBIC 71000	Field Seq no. generated by SWIMS 247087924
SWIMS Station ID 363069	SWIMS Station Name MANITOWOC RIVER AT CTH JJ(MICHIGAN AVE)		
Field Sample ID (retrieval date) 0904202001	Basin (WMU) MANITOWOC	Watershed Name LOWER MANITOWOC RIVER	County MANITOWOC
Project Name LARGE RIVER MACROINVERTEBRATE SAMPLING			
Latitude 44.106068	Longitude -87.71607	Determination Method	Datum Used

Site Access Details: Near USGS gage station

Sample and Site Descriptors

Sampling Device

Standard Non-wadeable Hester Dendy Hester Dendy Area Calculation = Plate Size (cm) _____
 Number of Plates _____
 Other Device: _____ Device Area Calculation = Plate Size (cm) _____

Habitat Sampled

Suspended River Bed 3 Hester Dendy samplers attached to a 40 lbs cinder block

Snags (no./100m) _____ Avg. size (dbh) _____ Coniferous and/or Deciduous (circle)

Riparian Land Use, Vegetation, and Condition: _____

Substrate Composition

Bedrock _____% Boulder _____% Cobble _____% Gravel _____%
 Sand _____% Silt _____% Clay _____% Muck _____%
 Aquatic Macrophytes _____% CWD _____% Other (_____): _____%

Field Measurements

	Deployment	Retrieval	Total Colonization Time (Days)
Date:	7-20-2020	9-4-2020	46
Time:	16:00	12:00	
Personnel:	Mary Gansberg	Mary Gansberg	
Water Depth at Location (m):	1.0	0.5	
Sampler Height Above Substrate (m):			
Bank Placement: (R) L			
Distance From Bank:	4.5 m	4.5 m	
Water Temp (C):			
Water Color (clear, turbid, stained):	turbid	Turbid	
D.O. (mg/L):			
pH:			
Conductivity:			
Transparency Tube (cm):			
Turbidity (NTUs):			
Water Velocity (m/s):	3.0	4.0	

10-28-109001505

Non-Wadeable Macroinvertebrate Field Data Report

Form 3200-136 (R 10/11)

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Draw Map:

Ethanol replaced the second day? Yes No
 Label on inside of jar? Yes No
 Label on outside of jar? Yes No

Additional Notes:

For Lab Use Only		
Sample Sorter <i>Kayla Reed</i>	Taxonomist <i>Dimick, Jeffray</i>	Estimated Percent of Sample Sorted <i>10.94%</i>
Date Processed <i>11/4/2021</i>	Specimens Saved <i>Subsample 504 archived in AB L until Dec 2024</i>	

G1 → H4 102 *H8 → 76* *B3 → 75* *1/04 * .891*
< E6 → > 121 *H5 → 18*
D1 → *C8 → 52*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
Baetis	L III	III	3	MCB 2019	dam	N	N
B. intercalaris	L III	III	13	Klub 2016			
B. flavistriga species complex	L III	III	7	"			
Ephemeroptera	L III	III	2	MCB 2019	imm	N	
Teloganopsis deficiens	L I	I	1	"			
Heptageniidae	L III	III	2	"	dam/imm	N	
Leucopoda	L III	III	4	"			
Maccaffertium	L I	I	1	Klub 2016	imm	Y	
M. medionotatum	L III	III	2	"			
Sternacron	L III	III	2	MCB 2019	imm		
Isonychia	L I	I	1	"	imm		
Leptophlebiidae	L II	II	1	"	imm		
Paragneton media	L III	III	2	Hils 1995			
Nymphopsychidae	L III	III	4	MCB 2019	imm	N	
Ceratopsyche	L III	III	2	Hils 1995	imm	N	
C. alternans	L III	III	4	Schmitts 1986			
C. bronfa	L I	I	1	"			
Cheumatopsyche	L III	III	4	MCB 2019			
Hydropsyche	L III	III	2	Hils 1995	imm		
Chimarra obscura	L III	III	5	Hils 1982			
Petrophila	L I	I	1	MCB 2019			
Macronychus glabratus	L I	I	1	Hils 1995			
Tanyptinidae small	P I	I	1	MCB 2019	dam	N	
Chironomidae	P I	I	1	"	dam	N	
Rheotanytarsus	P I	I	1	"			
Nemerochroma	L III	III	3	"			
Sperchonicidae	A I	I	1	Peck et al 1990			
Nannocladius	P I	I	1	MCB 2019		N	↓
Split A2a Chironomidae	L Bx III	III					
Split A2b Chironomidae	L Bx III	III					
Split A2c Chironomidae	L Bx III	III					
Split A2d Chironomidae	L Bx III	III					
Split A2e Chironomidae	L Bx III	III					
Corynoneura	L Bx III	III	44	And et al 2013			N
Dicrotendipes	L I	I	1	"			
Rheotanytarsus 204	L III 204	204	204	"		N	
Tanyptinidae	L III	III	2	"	imm	N	
Nilotanyptus	L I	I	1	"	mt det	N	
N. fimbriatus	L III	III	7	Bolden 2012			↓

