

Non-Wadeable Macroinvertebrate Field Data Report

Form 3200-136 (R 10/11)

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Station Summary

Waterbody Name TOMAHAWK RIVER		WBIC 1515800	Field Seq no. generated by SWIMS 168075202
SWIMS Station ID 443294	SWIMS Station Name TOMAHAWK RIVER AT SWAMP LAKE RD		
Field Sample ID (retrieval date) 20180831-44-D	Basin (WMU) UPPER WISCONSIN	Watershed Name MIDDLE TOMAHAWK RIVER	County ONEIDA
Project Name LARGE RIVER MACROINVERTEBRATE SAMPLING			

Latitude 45.6444323	Longitude -89.7139412	Determination Method eLT Location, 24K Hydro	Datum Used WTM83/91
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Site Access Details: Public Access off Swamp Lake Rd. upstream from Canoe Access

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

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

Riparian Land Use, Vegetation, and Condition: _____

Substrate Composition

Bedrock _____ % Boulder _____ % Cobble 30 % Gravel 60 %
Sand 10 % Silt _____ % Clay _____ % Muck _____ %
Aquatic Macrophytes _____ % CWD _____ % Other (_____): _____ %

Field Measurements

	Deployment	Retrieval	Total Colonization Time (Days)
Date:	7/20/2018	8/31/2018	42
Time:	0845	0900	
Personnel:	Wirt, Alan	Wirt, Alan	
Water Depth at Location (m):	1 m	1.3 m	
Sampler Height Above Substrate (m):			
Bank Placement: R L	L	L	
Distance From Bank:	10 m	10 m	
Water Temp (C):	22.3	18.8	
Water Color (clear, turbid, stained):	STAINED	Turbid.	
D.O. (mg/L):	6.6	7.5	
pH:	7.23	7.67	
Conductivity:	76.6	86.2	
Transparency Tube (cm):	98	86	
Turbidity (NTUs):			
Water Velocity (m/s):	.5	.7	

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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:

ON Retrieval water was high! turbid, Tree had
 fall across 3/4 of River up stream 20 m. where sample
 was placed. Water had decrease in flow due to tree.

For Lab Use Only

Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 100%
Date Processed 9/21/19	Specimens Saved 15 + 247 = 262	

C6-L6 95% 100% 200% Total

Subsample archived in ABC until Dec 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
Perlidae	L	I	1	Hils 1995	imm	N	N
Acronuria	L	III	3	"	imm	N	
A. abnormis	L	IIII	4	Hatch 1974			
A. lycorias	L	0II	22	"			
Agnetina	L	I	1	Hils 1995	imm		
Paragnetina media	L	/	5	"			
Pteronarcys	L	I	1	"	imm		
Baetis Flavistriga species complex	L	I	1	Klob 2016			
Ephemeroptera	L	III	3	"	imm	N	
Attenella	L	II	2	"	imm		
Tetragonia deficiens	L	I	1	"			
Hepageniidae	L	XIIII	14	"	dam/imm	N	
Leucophaea	L	III	3	"			
Mallagma	L	88	80	"	imm	Y	
M. vicarium	L	I	1	"			
Hydropsychidae	L	II	7	Hils 1995	imm	N	
Cheumatopsyche	L	X-II	17	"			
Macronychus glabratus	L	I	1	Hils Schum 1992			
Hemipterodromia	L	III	3	Court Merr 2008			
Simulium	L	III	3	Adler et al 2004	imm	N	
Simulium	P	I	1	"	dam	N	
S. luggeri	L	I	1	"			
Empididae	P	I	1	Merr Webb 2008		N	
Rheocricotopus	P	I	1	Ferr et al 2008			
Chironomid 08330001	P	I	1	"		N	
Naididae	A	XIII	14	Bra Celd 1991			↓
Spiliza Chironomidae	L	(LIIII)					
Nilotanytus	L	I	1	Gran Epl 2013	mt indet		N
Thienemanniomyia group	L	I	1	"	imm		
Pottvastra caedii group	L	I	1	Saefr And 2013			
Orthocladidae 08300000	L	/	5	Craston 2013	mt indet/dam/imm	N	
Corynoneura	L	I	1	And + 3 2013			
Cricotopus	L	IIII	4	"		N	
C. (Cricotopus) bicinctus group	L	I	1	"			
C. (C.) tremulus group	L	III	3	"			
Nannocladius (Nannocladius)	L	IIII	4	"	imm	N	
N. (N.) crassicornus/ cf rectocornis	L	II	2	Epler 2001			
Orthocladus (Orthocladus)	L	XIIII	14	And + 3 2013			
O. (Symploclecladius) connectens	L	I	1	Bolton 2012			↓

[illegible]