

Station Summary

Waterbody Name SAINT CROIX RIVER	WBIC 2601400	Field Seq no. generated by SWIMS 283999817
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SWIMS Station ID 073132	SWIMS Station Name ST. CROIX RIVER AT DANBURY (500' DS OF HWY 35)
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Field Sample ID (retrieval date) 20210915-07-1	Basin (WMU) ST. CROIX	Watershed Name UPPER TAMARACK RIVER	County BURNETT
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Project Name LARGE RIVER MACROINVERTEBRATE SAMPLING

Latitude 46.0747828	Longitude -92.2474791	Determination Method	Datum Used
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Site Access Details: Riverside landing @ HWY 35 - HD located across river near large triangle shaped rock/N46.07556; W092.24564

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: Left bank is campsite/boat land. Right bank where HD was deployed is woodlands

Substrate Composition

Bedrock _____ % Boulder 50 % Cobble 20 % Gravel 20 %
 Sand 10 % Silt _____ % Clay _____ % Muck _____ %
 Aquatic Macrophytes _____ % CWD _____ % Other (_____): _____ %

Field Measurements

	Deployment	Retrieval	Total Colonization Time (Days)
Date:	8-4-2021	7-15-2021	
Time:	11:45	11:10	
Personnel:	Willger, Kasmussen	Willger, Raleigh	
Water Depth at Location (m):	0.6	0.7	
Sampler Height Above Substrate (m):	0.3		
Bank Placement: R L	R	R	
Distance From Bank:	5m	5m	
Water Temp (C):			
Water Color (clear, turbid, stained):	Clear	Clear	
D.O. (mg/L):			
pH:			
Conductivity:			
Transparency Tube (cm):		2120 cm	
Turbidity (NTUs):			
Water Velocity (m/s):			

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
 Yes No
 Yes No

Label on inside of jar?

Label on outside of jar?

Additional Notes:

For Lab Use Only		
Sample Sorter <i>Walters, Selma</i>	Taxonomist <i>David Jeffrey</i>	Estimated Percent of Sample Sorted <i>22.6%</i>
Date Processed <i>9/17/21</i>	Specimens Saved <i>510 subsample archived on IBC until Nov 2025</i>	

F7:47 C7:43 A4: E3:11 H8 > 73 2nd Sort: E1Q1-2:14
A7:107 A5:36 A1: G2:13 H1 > 73 B5:38 F4:
H4:15 H8: B5:30 H5:64 A4 C7:19 E1:

187570

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
Ephemeroptera	L	II	2	MCB 2019	imm	N	N
Baetidae	L	II	3	"	imm	N	
Baetis intercalaris	L	-	5	Klob 2016			
B. flavistoma species complex	L	II	2	"			
Pseudocloeon	L	I	1	MCB 2019	imm	N	
P. dubius	L	III	3	Klob 2016			
Ephemerellidae	L	-I	6	MCB 2019	imm	N	
Teleconopsis deficiens	L	I	1	"			
Heptageniidae	L	X ^o	35	"	dam/imm	N	
Heptagenia Plavescens	L	L	1	Klob 2016			
Maccaffertium	L	pp ppol	101	"	imm	N	
M. exiguum	L	I	1	"			
Stenonema	L	I	1	MCB 2019	imm		
Isonychia	L	BI	41	"	imm		
Tricoptera	L	I	1	"			
Leptophlebiidae	L	I	1	"	imm		
Calopterygidae	L	I	1	"	imm		
Plecoptera	L	III	4	"	imm	N	
Acroneuria lycorias	L	I	1	Hatch 1974			
Taeniopteryx	L	I	1	MCB 2019	imm		
Brachycentrus numerosus	L	II	2	Hils 1985			
Micrasema robustum	L	I	1	"			
Hydropsychidae	L	opt	25	MCB 2019	imm	N	
Ceratopsyche	L	II	2	Hils 1985	imm	N	
C. marisa	L	-III	8	Schm Hils 1986	imm	N	
C. m. marisa form	L	-II	7	"			
Ceratopsyche	L	BBXII	92	MCB 2019			
Hydropsyche	L	-	5	Hils 1985	imm	N	
H. phalerata	L	-III	8	Schm Hils 1986			
H. scalaris	L	III	3	"			
Hydroptilidae	L	I	1	MCB 2019	imm	N	
Hydroptila	L	-II	8	"			
Leucotrichia pictipes	L	II	2	Hils 1985			
Oecetis	L	III	3	MCB 2019	imm	Y	
O. avara	L	I	1	Floyd 1985			
Chamaea	L	-III	9	MCB 2019	imm	N	
C. obscura	L	II	2	Hils 1982			
C. socia	L	III	4	"			
Neureclipsis	L	III	4	MCB 2019			
Cricotopus (Cricotopus) fuscus group	P	I	1	Nieder 1986		Y	✓

