

Station Summary

Waterbody Name SAINT CROIX RIVER		WBIC 2601400	Field Seq no. generated by SWIMS 296404293
SWIMS Station ID 10019410	SWIMS Station Name SAINT CROIX RIVER -- TWIN SPRINGS BOAT LANDING		
Field Sample ID (retrieval date) 20210929-56-01	Basin (WMU) ST. CROIX	Watershed Name LOWER WILLOW RIVER	County SAINT CROIX
Project Name LARGE RIVER MACROINVERTEBRATE SAMPLING			

Latitude <i>Location of Hester</i> 45.07935 → 45.08574	Longitude -92.7858 -92.77820	Determination Method	Datum Used
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Site Access Details: *Launch at Twin Springs boat landing and motor out of backwater bay to main river channel. Boated about 0.95 miles up river*

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: *Long narrow island, sand beaches with some woody debris, few trees and shrubs for vegetation*

Substrate Composition

Bedrock _____% Boulder _____% Cobble _____% Gravel _____%
 Sand 40% Silt 30% Clay _____% Muck 10%
 Aquatic Macrophytes _____% CWD _____% Other (_____): _____%

Field Measurements

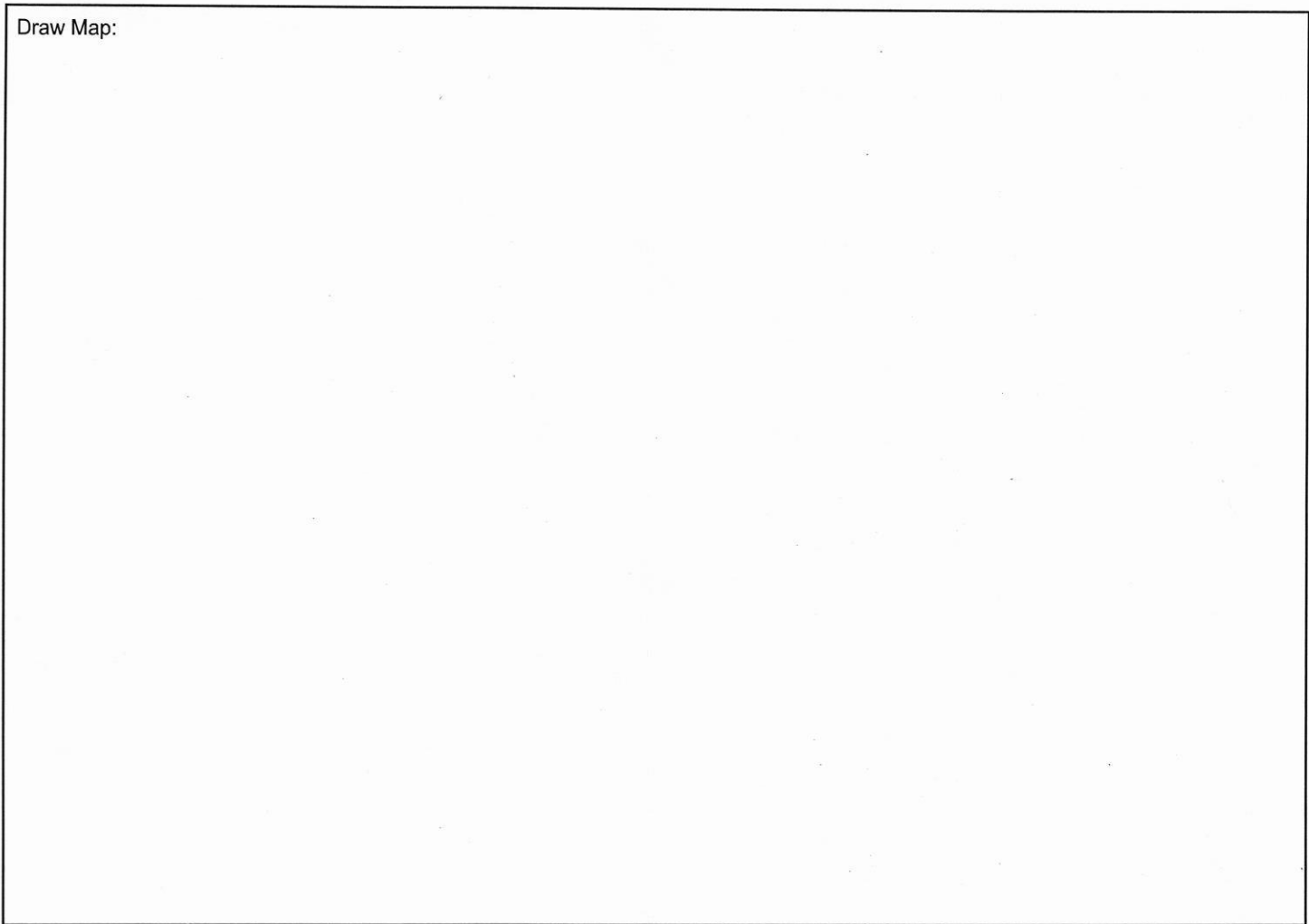
	Deployment	Retrieval	Total Colonization Time (Days)
Date:	8/17/2021	9/29/2021	43
Time:	11:00 AM	1050 AM	
Personnel:	Piette, Raleigh	Raleigh, Ewaldt	
Water Depth at Location (m):	1m	1m	
Sampler Height Above Substrate (m):	1.5 ft	1.5 ft	
Bank Placement: R L	R	R	
Distance From Bank:	6m	6m	
Water Temp (C):			
Water Color (clear, turbid, stained):	Turbid	Turbid	
D.O. (mg/L):			
pH:			
Conductivity:			
Transparency Tube (cm):			
Turbidity (NTUs):			
Water Velocity (m/s):	Very Slow	Very slow	

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 Anna Powers	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 9.4%
Date Processed 9-20-22	Specimens Saved Subsample archived in ABC until Nov 2025	

549
9228
100 D4 cont. GB 86 B5104 B6
EG 76 G389 A1

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
<i>Maccobertus</i>	L	11	2	Kuh 2016	imm		N
<i>Stenacron</i>	L	1	1	MCB 2019	imm	N	
<i>S. interpunctatum</i>	L	1	1	Kuh 2016			
<i>Agria apicalis</i>	L	1	1	West May 2006			
<i>Hydrophila</i>	L	XIII	18	MCB 2019			
<i>Ochrotrocha</i>	L	1	1	"			
<i>Neotonychia curvica</i>	L	11	2	Clare-Floyd 2004			
<i>Cyrtellus fraternus</i>	L	III	9	MCB 2019			
<i>Probozica</i>	L	1	1	Wils 1995			
<i>Chironomidae Orthocladiinae</i>	P	1	1	MCB 2019	dam	Y N	
<i>Tanytarsus</i>	P	1	1	"			
<i>Dugesidae</i>	A	11	7	Thorp Reg 2016			
<i>Zepites parasita</i>	A	1	1	Kath Brin 1998			
<i>Accladocera</i>	A	11	2	Thorp Reg 2016	dam		
<i>Podocopa</i>	A	1	1	"			
<i>Hydrophilidae</i>	L	1	1	MCB 2019	dam	N	Y
<i>Pleurocera</i>	A	1	1	Buren 1989			Y
<i>Spit A2a Chironomidae</i>	L	By JSD					
<i>Spit A2b Chironomidae</i>	L	By JSD					
<i>Spit A3 worm</i>	A	XIII					
<i>Tanytarsinae</i>	L	1	1	And et al 2013	dam	N	N
<i>Dicrop tendipes</i>	L	III	11	"			
<i>Olyptotendipes</i>	L	395	395	"			
<i>Ablabes myia (Ablabes myia)</i>	L	8011	73	"	imm		
<i>Thienemannimyia</i>	L	III	3	"			
<i>Thienemannimyia group</i>	L	1	6	"	imm	N	
<i>Nanocladius (Nanocladius)</i>	L	1	1	"	imm		
<i>Chironominae</i>	L	1	1	"	mt indet	Y	
<i>Parachironomus arcuatus group</i>	L	III	3	"			
<i>Polyperidum (Pseudoperidum) flavum</i>	L	1	1	Bolton 2012			
<i>Rheotanytarsus</i>	L	1	1	And et al 2013			
<i>Naidinae</i>	A	11	2	Kath Brin 1998	dam	N	N
<i>Nais simplex</i>	A	1	1	"			
<i>N. variabilis</i>	A	X	10	"			
<i>Pristina</i>	A	11	2	"	mt indet	Y	
<i>P. leidy</i>	A	1	1	"			Y