

**Station Summary**

<b>Waterbody Name</b> SAINT CROIX RIVER	<b>WBIC</b> 2601400	<b>Field Seq no. generated by SWIMS</b> 283999813
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<b>SWIMS Station ID</b> 10029621	<b>SWIMS Station Name</b> ST CROIX RIVER INTERSTATE PARK		
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<b>Field Sample ID (retrieval date)</b> 20210915-49.3	<b>Basin (WMU)</b> ST. CROIX	<b>Watershed Name</b> TROUT BROOK	<b>County</b> POLK
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**Project Name** LARGE RIVER MACROINVERTEBRATE SAMPLING

<b>Latitude</b> 45.39024	<b>Longitude</b> -92.6665	<b>Determination Method</b>	<b>Datum Used</b>
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Site Access Details: Interstate Park boat landing - end of lot at pet picnic area - off rocky point upstream of large tree snags / N45.39254 ; W092.666541

**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: State park, boulders, shrubs, some large deciduous trees

**Substrate Composition**

Bedrock \_\_\_\_\_ %      Boulder 60 %      Cobble \_\_\_\_\_ %      Gravel \_\_\_\_\_ %  
 Sand \_\_\_\_\_ %      Silt \_\_\_\_\_ %      Clay \_\_\_\_\_ %      Muck \_\_\_\_\_ %  
 Aquatic Macrophytes \_\_\_\_\_ %      CWD 40 %      Other ( \_\_\_\_\_ ): \_\_\_\_\_ %

**Field Measurements**

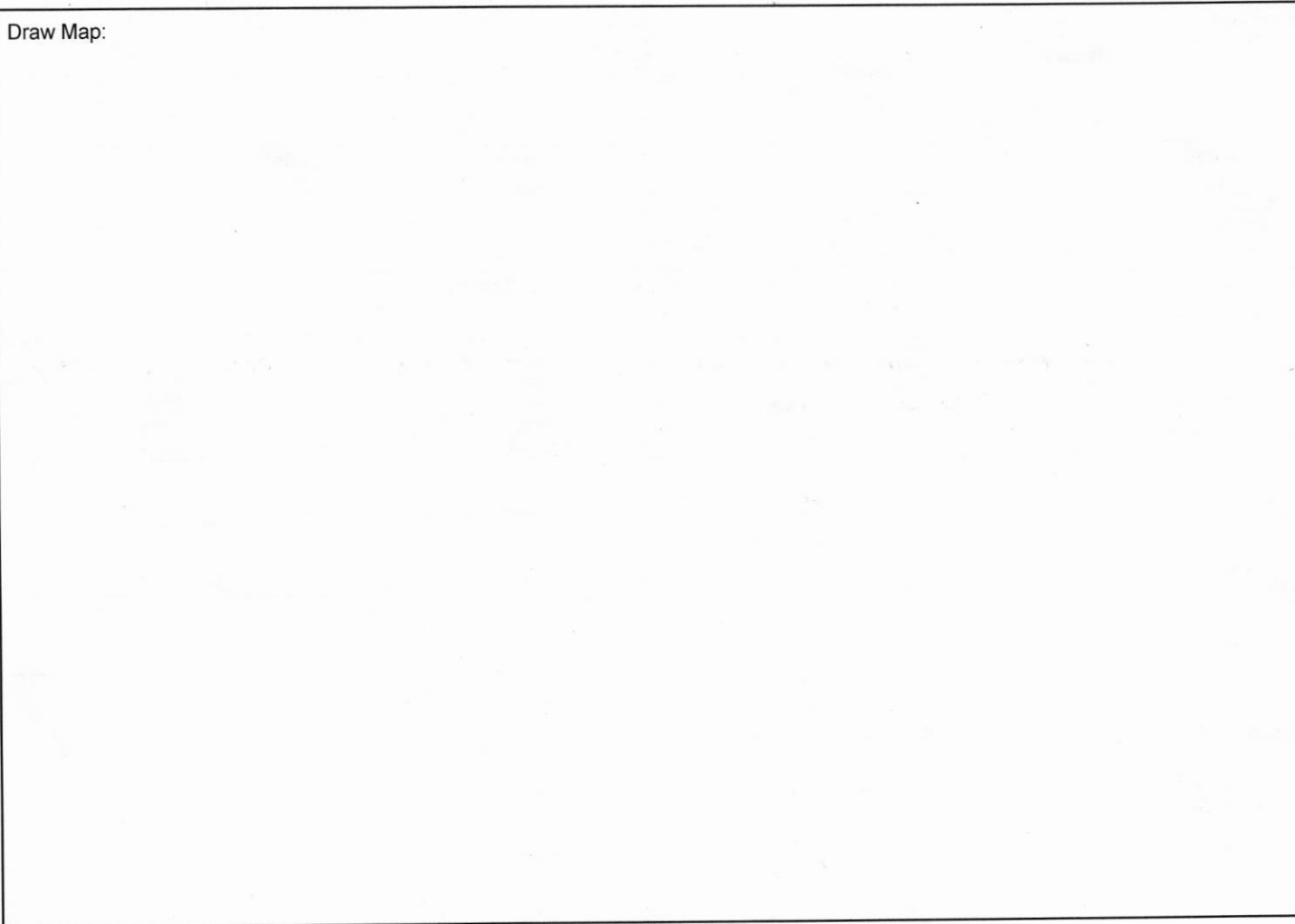
	Deployment	Retrieval	Total Colonization Time (Days)
Date:	8-4-2021	9-15-2021	
Time:	16:15	14:30	
Personnel:	Williger, Kasussen	Williger, Bulough	
Water Depth at Location (m):	1.2	1.2	
Sampler Height Above Substrate (m):	0.3m	0.3	
Bank Placement: (R) L	R	R	
Distance From Bank:	4 m	4m	
Water Temp (C):			
Water Color (clear, turbid, stained):		clear, slightly turbid	
D.O. (mg/L):			
pH:			
Conductivity:			
Transparency Tube (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

Label on inside of jar?

Yes

No

Label on outside of jar?

Yes

No

Additional Notes:

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QAQC

Midge: ~~1~~ 1 caddis: 111 Stonefly: 11  
Pupae: 111 worm: 11

**For Lab Use Only**

Sample Sorter Klopping, Trent	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 18.75%
Date Processed 9/24/2022	Specimens Saved subsample 512 archived in ABC until NOV 2025	

A2 29 D6 92 | F4, AB, G4 (1)(4) | F1 42 (4) G7 74 A4 40 H2 13 F6 37 C3 18 H5 65

no split B (Large/Rare) 1) pupa

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
Caenis	L III		3	MCB 2019	imm	N	N
C. hilaris	L I		1	Klub 2016			
Maccaffertium	L -II		7	"	imm		
Isonychra	L I		1	MCB 2019	imm		
Tricorythodes	L I		1	"			
Leptophlebiidae	L III		3	"	imm		
Anthopodamus verticis	L II		2	Klub 2016			
Cheumatopsyche	L I		1	MCB 2019			
Hydropsyche	L X-III		18	"			
Oecetis	L I		1	"	imm	N	
O. avara	L I		1	Floyd 1995			
O. persimilis	L II		2	"			
Chimarra obscura	L II		2	Hils 1995			
Polycentropodidae	L -		5	MCB 2019	imm	N	
Polycentropodidae	P I		1	"		N	
Cynellus fraternus	L 0		20	"			
Neureclipsis	L -II		7	"			
Polycentropus	L XI		11	"			
Macronychus glabratus	A I		1	Hils 1995			
Chironomidae	P II		2	MCB 2019	dam	N	
Tanytarsus	P -II		7	"		N	
Cyclopidae	A I		1	Thorp et al 2016			
Harpacticoida	A III		3	"			
Euryceus	A 0-II		27	"			
Podocapida	A I		1	"			↓
<del>Split A2a Chironomidae</del>	<del>L Bx-III</del>						
<del>Split A2b Chironomidae</del>	<del>L Bx-III</del>						
<del>Split A2c Chironomidae</del>	<del>L Bx-III</del>						
<del>Split A2d Chironomidae</del>	<del>L Bx-III</del>						
<del>Split A2e Chironomidae</del>	<del>L Bx-III</del>						
<del>Split A2 warm</del>	<del>A XIII-III</del>						
Procladius	L III		3	And et al 2013	imm		N
Thienemannimyia	L X-III		21	"			
Dicoptendipes	L Bx-III		96	"			
Olyptendipes	L X-II		12	"			
Micropodipes pedellus group	L X-III		18	"			
Nilothauma	L -II		7	"			
Tanytarsus	L Bx-		55	"			
Tanyptorinae	L -		5	"	imm	N	↓

