

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Unnamed (Pokegama Creek)	Waterbody ID Code 2657000	Sample ID (YYYYMMDD-CY-FD) 20211022-07-01
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Sampling Location

Undisturbed channel, approx. 260 linear feet downstream of Cranberry Marsh Rd.

SWIMS Station ID 10055939	SWIMS Station Name Unnamed CK DS Cranberry Marsh Rd	Database Key 301401602
Latitude 45°46'31.79"N	Longitude 92°12'25.57"W	Lat/Long Determination method (circle) SWIMS SWDV <u>GPS</u>
Basin (WMU) St. Croix (WMU# 17)	Watershed Name North Fork Clam River Watershed (SC13)	Datum Used if using GPS NAD 27 or <u>NAD83</u>
County Burnett		

Sample and Site Descriptors

Sample Collector (Last Name, First) Jonett, Lucius	Project Name Pokegama Creek Restoration
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Sampling Device

☒ Kick Net	☐ Surber Sampler	☐ Eckman
☐ Ponar	☐ Artificial Substrate	☐ Hess Sampler ☐ Other: _____

Habitat Sampled

☐ Riffle	☐ Run	☐ Pool
☐ Other	☐ Shoreline Composite	☒ Proportionally-Sampled Habitat
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland

Total Sampling Time (min) 2:00	Estimated Area Sampled (m²) 0.75	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason for Sampling

☐ Least Impacted Reference	☒ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☐ Other: _____

Water Temp. (C) 13.1	D.O. (mg/l) 10.1	D.O. (% sat.) 97.7	pH (su) 7.3	Conductivity (umhos/cm) 20.10	Transparency (cm) —
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Water Color ☒ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity — circle units mps or cfs	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 2.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball or basketball): _____	Gravel (ladybug to tennisball.): _____
Sand: <u>20</u>	Clay: _____	Silt/Muck: <u>60</u>	Overhanging Vegetation: <u>20</u>
Aquatic Macrophytes: _____	Leaf Snags: _____	Course Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) _____	Canopy Cover at Sample Site (%) <u>0</u>
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Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

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Stream and Watershed Descriptors

N = Not a problem
U = Uncertain

PL = Present, Low Impact
PH = Present, High Impact

Factors that may be Influencing Water Resource Integrity	Local	Water- shed	Factors that may be Influencing Water Resource Integrity	Local	Water- shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	U		Chlorine	U	
- Filamentous Algae	U		Dissolved Oxygen	U	
- Planktonic Algae	U		Nutrients (P, N,...)	U	
Other - Specify:			Toxics: - Inorganic (Metals)	U	
Iron Bacteria	U		- Organic (PCBs, pesticides ...)	U	
Macrophytes	U		Other - Specify:		
Slimes	U		Sources of Stream Impacts		
Other - Specify:			Bank Erosion	N	
Physical			Point Source - Specify:	N	
Bank Erosion	N		Pasturing of Livestock	N	
Channelization - Upstream	N		Runoff: - Barnyard	N	
- Downstream	N		- Construction	N	
Hydraulic Scour / Channel Incision	N		- Cropland	N	
Impoundment: - Upstream	PL		- Urban	N	
- Downstream	N		Septic Systems	U	
Low Flow	N		Tile Drainage - Organic Soils	N	
Sedimentation	N		- Minerals soils	N	
Sludge	N		Springs	U	
Thermal	N		Tributary(s)	U	
Turbidity	N		Wetland <i>Historically impounded & converted to cranberry bogs</i>	PH	
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Dimick, Jeffrey</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>25</i>
Date Processed <i>12/21/2021</i>	Specimens Saved <i>Subsample archived in ABL until Jan 2024 / TBI</i>	

12:30 C4 94-15 A1 94-8 D2-22 A2 93-12
 92-6 923-6 91-1
 93 > 22 92-8
 941 > 24 94-11
 43 + 38 + 22 + 32 **(135)**

Midwest Wetland Improvements
 ABL SampleNum: 20211022-07-01
 Taxonomist: Dimick, Jeffrey

Waterbody: Unnamed (2657000, Pokegama Creek)
 SWIMS Database Key: _____

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Leptophlebia	L	11	2	MCB 2019	imm	
Basiaeschna janata	L	1	1	Tennessen 2019		
Ladona julia	L	1	1	"		
Neoplea striola	A	1	1	Hilgenhoff 1995		
Serromyia	L	1	1	"		
Bezzia/Palpusomyia	L	4	2	"		
Clinophlebia/Heteromyia	L	1111	5	"		
Hyalella wellborni	A	8x11	52	Sawicki et al 2015		
Caecidotea racovitzai racovitzai	A	11	2	Williams 1972		
Hydriidae	A	1	1	Thorp Rogers 2016		
Dugesiiidae	A	11	2	"		
Hydrobiidae not P. antipodarum	A	21	11	Burch 1989		
Sphaerium	A	1	1	Thorp Rogers 2016	imm	
Trombidiformes	A	1	1	"	imm	
Split Aza Chironomidae	L	8x11				
Split Azb Chironomidae	L	x111111				
Split Az worms	A	1111				
Ablabesmyia (Ablabesmyia) 2 species	L	11	2	And et al 2013	imm	
Conchapelopia	L	1	6	"		
Procladius (Helotanyptus)	L	1	1	"		
Thienemannimyia group	L	1	1	"	imm	N
Nannocladius (Nannocladius) distinctus	L	1	1	Bolton 2012		
Chironominae Tanytarsus	L	1	1	And et al 2013	dam	N
Dicropodipes	L	1111	9	"		
Laetobornella nigrophallera Paralaetobornella	L	1	1	"		
Microtendipes pedellus group	L	11	2	"		
Paratanytarsus species A	L	1111	4	Hilgenhoff unpub		
Rheotanytarsus	L	111	4	And et al 2013		
Tanytarsus	L	8x1	35	"		
Nais communis	A	11	2	Kath Brink 1998		
Unidentified (with capilli form chaetae)	A	1	1	"	not ident	