

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name NF Clam River @ Sand Rd US	Waterbody ID Code 2656600	Sample ID (YYYYMMDD-CY-FD) 20201002-07-02
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Sampling Location
Upstream of Sand Road

SWIMS Station ID 10031948	SWIMS Station Name North Fork Clam River at Upper Sand Rd Crossing	Database Key 265718471
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Latitude 45.73932	Longitude -92.12511	Lat/Long Determination method (circle) SWIMS SWDV GPS	Datum Used if using GPS NAD 27 or NAD83
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Basin (WMU) St. Croix	Watershed Name North Fork Clam River	County Burnett
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Sample and Site Descriptors

Sample Collector (Last Name, First) Cunningham, Joseph	Project Name NOR LTT wadeable Reference Stream
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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) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 3-20 sec Kick	Replicate No. 1 of 1
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Reason for Sampling

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

Water Temp. (C) 8.2	D.O. (mg/l) 11.6	D.O. (% sat.) 98.4	pH (su) 7.2	Conductivity (umhos/cm) 244	Transparency (cm) >120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (>0.5 m/s)
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Measured Velocity circle units mps or cfs	Average Stream Depth of reach (m) 0.3m	Average Stream Width of reach (m) 7m
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): _____
 Rubble (tennisball or basketball): 30
 Gravel (ladybug to tennisball.): 50
 Sand: 10
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____

Aquatic Macrophytes: _____
 Leaf Snags: 10
 Course Woody Debris: _____
 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10%
Canopy Cover at Sample Site (%) 20%

Wadeable Macroinvertebrate Field Data Report

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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			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Other -Specify:			Toxics: - Inorganic (Metals)		
Iron Bacteria			- Organic (PCBs, pesticides ...)		
Macrophytes			Other - Specify:		
Slimes			Sources of Stream Impacts		
Other - Specify:			Bank Erosion	PL	U
Physical			Point Source - Specify:		
Bank Erosion	PL	U	Pasturing of Livestock		U
Channelization - Upstream			Runoff: - Barnyard		U
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		U
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Minerals soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Raatz, Trevor</i>	Taxonomist <i>Dimick, Jeff</i>	Estimated Percent of Sample Sorted <i>1.6</i>
Date Processed <i>2/1/2022</i>	Specimens Saved <i>Subsample archived in ABC until Mar 2025</i>	

5:00
6:45

229: 229

229

Fdr Sample

Selected Inverts
 Q8: 27
 Q7: 28: 55
 Q2: 32: 87
 Q3: 43: 130

Vial 1
130

Vial 2
99

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acentrella turbida</i>	L	I	1	Klob 2016		
<i>Baetis flavistriga</i> species complex	L	III	3	"		
<i>Ephemera</i>	L	IIII	24	MCB 2019	imm	N
<i>E. invaria</i>	L	I	1	Klob 2016		
<i>Telegonopsis deficiens</i>	L	I	1	MCB 2019		
<i>Leucocata</i>	L	IIII	9	"		
<i>Maccaffertium modestum</i>	L	I	1	Klob 2016		
<i>M. vicarium</i>	L	II	2	"		
Leptophlebiidae	L	I	1	MCB 2019	dam	N
<i>Neoleptophlebia</i>	L	XI	11	"	dam/imm	N
<i>N. mollis</i>	L	III	3	Klob 2016		
<i>Paracanna angulata</i>	L	-	5	Hitch 1974		
<i>Isoperla signata</i>	L	II	2	Hils 1982		
<i>Taeniopteryx</i>	L	II	2	MCB 2019	imm	
<i>Brechynthus americanus</i>	L	I	1	Hils 1985		
<i>Glossosoma</i>	L	III	5	MCB 2019	imm	N
<i>G. intermedium</i>	L	III	3	WynnMar 2000		
<i>Proctotila</i>	L	I	1	MCB 2019		
<i>Ceratopsyche spuma</i>	L	IIII	4	Schm Hils 1986		
<i>Leuctrichsa pictipes</i>	L	II	2	Hils 1985		
<i>Lepidostoma</i>	L	XI	31	MCB 2019		
<i>Neophylax</i>	L	I	1	"	imm	
<i>Optiservus</i>	L	II	2	"	imm	N
<i>O. fastiditus</i>	L	I	1	Hils Schm 1992		
<i>O. trivittatus</i> L.I A.I	LA	II	2	"		
<i>Admerix variegata</i>	L	III	3	Hils 1985		
<i>Antocha</i>	L	II	2	MCB 2019		
<i>Nexatoma</i>	L	I	1	"		
<i>Atractides</i>	A	I	1	Ack et al 1990		
Sperchonidae	A	I	1	"		
<i>Laevapex fuscus</i>	A	I	1	Trapp Ros 2016		
<i>Pisidium</i>	A	III	3	"		
JX) <i>Spilobas chironomidae</i> <i>Thremmannomyia</i> group	L	I	1	And et al 2013	imm	
<i>Neostempellina reissi</i>	L	IIII	4	And et al 2013		