

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH FORK CLAM RIVER		Waterbody ID Code 2656600	Sample ID (YYYYMMDD-CY-FD) 20190904-07-01
Sampling Location VS of Sand Rd		Database Key 204308720	
SWIMS Station ID 10015236	SWIMS Station Name NORTH FORK CLAM RIVER AT SAND RD.		
Latitude 45.73968	Longitude -92.12490	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) ST. CROIX		Watershed Name NORTH FORK CLAM RIVER	County BURNETT

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG ROESLER	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAM
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Sampling Device

D-Frame 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)	Estimated Area Sampled (m²)	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 14.4	D.O. (mg/l) 9.4	D.O. (% sat.) 95.3	pH (su) 7.9	Conductivity (umhos/cm) 194	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 0.3	circle units m/s or f/s	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 6
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 50
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 50

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Coash, Natalie</i>	Taxonomist <i>Dimeck, Jeffrey</i>	Estimated Percent of Sample Sorted <i>6.25%</i>
Date Processed <i>10/10/20</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2023</i>	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acentrella turbida</i>	L		4	Kleb 2016		
<i>Baetis fricandatus</i>	L		1	"		
<i>B. flavistriga</i> species complex	L	-	8	"		
<i>Telegonopsis deficiens</i>	L		1	"		
<i>Leucocosta</i>	L	-	8	Merrittum B 2019		
<i>Maccabertium</i>	L		3	Kleb 2016	imm	Y
<i>M. vicarium</i>	L	-	6	"		
<i>Isonychia bicolor</i>	L		1	"		
<i>Paraleptophlebia molles</i>	L		3	"		
<i>Paracapnia angulata</i>	L		1	Hitch 1974		
<i>Acanocneta</i>	L	"	2	Merrittum B 2019	imm	N
<i>A. lycorias</i>	L	"	2	Hitch 1974		
Perlodidae	L		1	Merrittum B 2019	imm	
<i>Brachycentrus americanus</i>	L		1	Hils 1985		
<i>Macrasema</i>	L		1	Merrittum B 2019	imm	
<i>Glossosoma</i>	L		1	"	imm	
<i>Lepidostoma</i>	L	88	72	"		
<i>Nigronia serricornis</i>	L		1	Merritt 1966		
<i>Dibriophila quadrimotata</i>	A		1	Hilsch 1992		
<i>O. fastidius</i>	L	x	12	Merrittum B 2019	imm	N
<i>O. trivittatus</i>	L		1	Hilsch 1992		
<i>Atherix variegata</i>	L	"	2	Hils 1995		
<i>Parametacnemus</i>	P	"	2	Merrittum B 2019		
<i>Microsectra</i>	P	"	3	"		
<i>Neostempeleti Neostempepinella</i>	P		1	"		N
<i>Simulium tuberosum</i> species complex	L		3	Adl et al 2004		
<i>Antocha</i>	L		1	Merrittum B 2019		
<i>Physa</i>	A		1	Thompson 2016		
<i>split Az Chironomidae</i>	L	x-x-ND				
<i>Orthocladinae</i> 0830001	P		1	Merrittum B 2019	chem	YN
<i>Cricotopus (Cricotopus) trifascia</i> group	L	"	2	And et al 2013		
<i>Neostempepinella reissi</i>	L	-	8	"		
<i>Rheotanytarsus</i>	L		3	"		
<i>Eukiefferiella brehmi</i> group	L		3	"		
<i>Nannocladius (Plecopteracladius)</i>	L		1	"	imm	
<i>Chironominae</i> 08330000	L		1	"	dam	N

