

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH FORK TRADE RIVER	Waterbody ID Code 2637400	Sample ID (YYYYMMDD-CY-FD) 20210429-07-03
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Sampling Location @ Buckland Road DS	Database Key 293321166
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SWIMS Station ID 10053917	SWIMS Station Name NF TRADE RIVER AT BUCKLAND ROAD US
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) ST. CROIX	Watershed Name TRADE RIVER	County BURNETT
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Sample and Site Descriptors

Sample Collector (Last Name, First) JOSEPH CUNNINGHAM	Project Name UPPER NORTH FORK TRADE RIVER WATERSHED TWA 2020
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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) 1 min.	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 3-20 second kicks	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 9.0	D.O. (mg/l) 7.1	D.O. (% sat.) 61.3	pH (su) 7.1	Conductivity (umhos/cm) 290	Transparency (cm) >120
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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 m/s or f/s	Average Stream Depth of reach (m) 0.1	Average Stream Width of reach (m) 2.5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40
 Sand: 20 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 (%)** 80

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		PH	U
				Point Source - Specify:			
Physical							
Bank Erosion		PH	U	Pasturing of Livestock			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision		PH	U	- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream		PL		Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

No flow late summer/fall of 2020, reason for spring 2021 sample.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Katherine McClure	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 6.3%
Date Processed 6/10/2022	Specimens Saved Subsample archived in ABL until Aug 2025	

C191: 28 A292: 43
 C193: 23 A293: 154
 C194: A291:
 C192: A294:

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