

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name UNNAMED Tributary @ Maplewood Road	Waterbody ID Code 5004457	Sample ID (YYYYMMDD-CY-FD) 20210429-07-01
Sampling Location @ Maplewood		Database Key 293173968

SWIMS Station ID 10054583	SWIMS Station Name UNNAMED (5004457) TRIBUTARY AT MAPLEWOOD ROAD DS		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Datum Used if using GPS WGS84 or NAD83			
Basin (WMU) ST. CROIX	Watershed Name TRADE RIVER	County BURNETT	

Sample and Site Descriptors	
Sample Collector (Last Name, First) JOSEPH CUNNINGHAM	Project Name UPPER NORTH FORK TRADE RIVER WATERSHED TWA 2020

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 (m <sup>2</sup> ) 1 m <sup>2</sup>	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) 9.9	D.O. (mg/l) 9.9	D.O. (% sat.) 87	pH (su) 7.3	Conductivity (umhos/cm) 143	Transparency (cm) >120
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Water Color      Estimated Stream Velocity (m/s)

Clear       Turbid       Stained       Slow (< 0.15 m/s)       Moderate (0.15 m/s - 0.5 m/s)       Fast (> 0.5 m/s)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.15	Average Stream Width of reach (m) 1 m
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 50  
 Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: 20 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) 20      Canopy Cover at Sample Site (%) 0

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

Comments

*Stream dry late summer / fall 2020. Reason for sampling spring 2021.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Katherine McClure</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>4.7%</i>
Date Processed <i>6/9/2022</i>	Specimens Saved <i>Subsample archived in DDB L until Aug 2025</i>	

*C2Q2:25 A4Q4:90  
 C2Q4:59 A4Q2:  
 C2Q1: A4Q1:  
 C2Q3: A4Q3:*

*174*

