

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

Station Summary		
Waterbody Name NF Trade River @ Erickson Rd	Waterbody ID Code 2637400	Sample ID (YYYYMMDD-CY-FD) 20200929-07-01
Sampling Location Downstream Erickson Road ~ 50 m		

SWIMS Station ID 10053913	SWIMS Station Name NF Trade River at Erickson Road		Database Key 265721483
Latitude 45.65244	Longitude -92.69160	Lat/Long Determination method (circle) SWIMS SWDV GPS	Datum Used if using GPS NAD 27 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 TWA - Upper NF Trade River TWA 2020

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 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

Water Temp. (C) 11.1	D.O. (mg/l) 9.2	D.O. (% sat.) 84.0	pH (su) 6.9	Conductivity (umhos/cm) 328	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 mps or cfs	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): _____
 Rubble (tennisball or basketball): _____
 Gravel (ladybug to tennisball.): 50
 Sand: 20
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____
 Leaf Snags: 10
 Course Woody Debris: 20
 Other (): _____

Embeddedness of Substrate at Sample Site (%) 30%
Canopy Cover at Sample Site (%) 30%

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

Comments

Beaver impacts upstream, Impoundment upstream

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Rachael Valencia</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>9.4%</i>
Date Processed <i>9/22/21</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2024</i>	

B2 A4
Q3 17 Q1 23
Q111 Q2 39
Q4 17 Q4 20

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