

Tributary to Saint Augustine River

NF02XB0018

LABRADOR



Site Description

Site Code	NF02XB0018
Name	Tributary to Saint Augustine River
Date Sampled	Sep. 26, 2022
Ecoregion(s)	Mecatina River
Stream Order	3
Basin	Saint Augustine River
Sampled By	NL
Accessibility	Sampled 10m upstream of culverted crossing at Route 510


Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X		
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)		X
Canopy Coverage		0 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		0.5-1 mm thick	

Channel Data

Bankful Width	12.7 m
Wetted Width	9.35 m
Avg. Velocity	0.596 m/s
Max. Velocity	1.18 m/s
Avg. Channel Depth	36.8 cm
Max. Channel Depth	47 cm
Bankfull-Wetted Depth	30 cm
Slope	0.005 m/m

Substrate

Dominant Substrate	Small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	12 cm
Geometric Mean Particle Size	12.4 cm
Photo of Substrate	
<small>Substrate Size Class Categories: Organic cover; Sand/silt/clay (< 0.1 cm); Coarse sand (0.1 - 0.2 cm); Gravel (0.2 - 1.6 cm); Small pebble (1.6 - 3.2 cm); Large pebble (3.2 - 6.4 cm); Small cobble (6.4 - 12.8 cm); Large cobble (12.8 - 25.6 cm); Boulder (> 25.6 cm); Bedrock.</small>	

Water Chemistry

Parameter	Value	Units
pH	4.99	pH units
Specific Conductivity	13.3	uS/cm
Dissolved Oxygen	11.19	mg/L
Temperature	9.78	°C
Turbidity	0.0	NTU
Copper	0.38	µg/L
Iron	855	µg/L
Lead	0.14	µg/L
Zinc	0.7	µg/L
Chloride	0.4	mg/L
Phosphorous (Total)	0.016	mg/L
Nitrate	0.03	mg/L
Nickel	0.17	ug/L