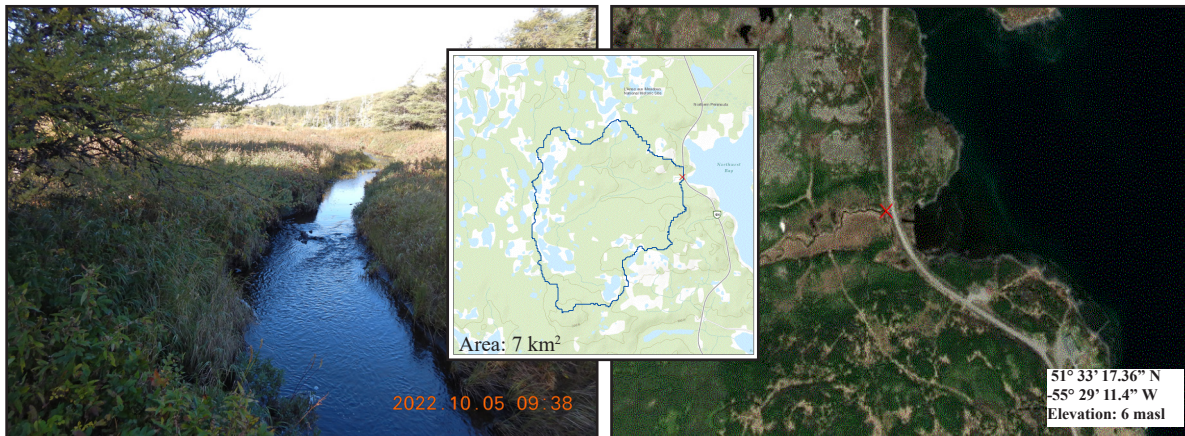


Northwest Bay Brook at Route 436

NF02YB0016

Western



Site Description

Site Code	NF02YB0016
Name	Northwest Bay Brook
Date Sampled	October 5, 2022
Ecoregion(s)	Strait of Belle Isle
Stream Order	3
Basin	Northwest Bay Brook
Sampled By	NL
Accessibility	Approximately 20m upstream from Route 436.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/ Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X (D)	X		X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0%	
Periphyton Coverage		5-20 mm	


Channel Data

Bankful Width	4.83 m
Wetted Width	2.76 m
Avg. Velocity	0.25 m/s
Max. Velocity	0.32 m/s
Avg. Channel Depth	17 cm
Max. Channel Depth	24 cm
Bankfull-Wetted Depth	36 cm
Slope	0.021 m/m

Water Chemistry

Parameter	Value	Units
pH	6.89	pH units
Sp. Conductivity	75.9	uS/cm
Dissolved Oxygen	11.20	mg/L
Temperature	9.392	°C
Turbidity	0.77	NTU
Copper	0.61	µg/L
Iron	889	µg/L
Lead	0.17	µg/L
Zinc	0.81	µg/L
Chloride	10.7	mg/L
Phosphorous (Total)	0.009	mg/L
Nitrate	0.03	mg/L
Nickel	1.34	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small cobble
Surrounding Material	coarse sand
Embeddedness	1/4 embedded
Median Particle Size	6 cm
Geometric Mean Particle Size	6 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>	