

Black Duck Pond Brook at L'Anse Aux Meadows

NF02YA0014

Western



Site Description

Site Code	NF02YA0014
Name	Black Duck Pond Brook
Date Sampled	October 5, 2022
Ecoregion(s)	Strait of Belle Isle
Stream Order	3
Basin	Black Duck Pond Brook
Sampled By	NL
Accessibility	Adjacent to gravel road which leads to a small shed shortly before L'Anse Aux Meadows Visitor Centre.

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		0 %	
Macrophyte Coverage		1-25%	
Periphyton Coverage		1-5mm	

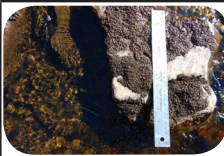
Channel Data

Bankful Width	2.4 m
Wetted Width	1.95 m
Avg. Velocity	0.24 m/s
Max. Velocity	0.38 m/s
Avg. Channel Depth	21.17 cm
Max. Channel Depth	23 cm
Bankfull-Wetted Depth	25 cm
Slope	0.02 m/m

Water Chemistry

Parameter	Value	Units
pH	6.84	pH units
Sp. Conductivity	60	uS/cm
Dissolved Oxygen	11.02	mg/L
Temperature	12.216	°C
Turbidity	0.01	NTU
Copper	0.33	µg/L
Iron	376	µg/L
Lead	0.09	µg/L
Zinc	0.66	µg/L
Chloride	10	mg/L
Phosphorous (Total)	0.009	mg/L
Nitrate	0.03	mg/L
Nickel	0.375	µg/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	small cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	11 cm
Geometric Mean Particle Size	9.3 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>	