

Southern Brook at Deadman's Bay

NF02YR0043

CENTRAL



Site Description

Site Code	NF02YR0043
Name	Southern Brook
Date Sampled	Oct. 17, 2012
Ecoregion(s)	Northeastern Newfoundland
Stream Order	5
Basin	Southern Brook
Sampled By	NL
Accessibility	Sampled near Cranberry Test Farm at Deadman's Bay, u/s of ATV trail bridge

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	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		0.5-1.0 mm thick	

Channel Data

Bankful Width	5.45 m
Wetted Width	5.34 m
Avg. Velocity	0.46 m/s
Max. Velocity	0.55 m/s
Avg. Channel Depth	31.7 cm
Max. Channel Depth	37 cm
Bankfull-Wetted Depth	67 cm
Slope	0.067 m/m

Water Chemistry

Parameter	Value	Units
pH	5.0	pH units
Conductivity	38.3	uS/cm
Dissolved Oxygen	10.19	mg/L
Temperature	12.4	°C
Turbidity	0.8	NTU
Copper	0.03	ug/L
Iron	1.59	mg/L
Lead	0.17	ug/L
Zinc	0.57	ug/L
Chloride	8.01	mg/L
Phosphorous (Total)	0.007	mg/L
Nitrate	<0.02	mg/L
Nickel	4.83	ug/L

Substrate

Dominant Substrate	boulder
2nd Dominant Substrate	large pebble
Surrounding Material	coarse sand
Embeddedness	1/4 embedded
Median Particle Size	12.0 cm
Geometric Mean Particle Size	12.8 cm
Photo of Substrate	N/A

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.