

Line Brook above Bonne Bay Little Pond

NF02YH0065

WESTERN



Site Description

Site Code	NF02YH0065
Name	Line Brook
Date Sampled	Sept. 23, 2009
Ecoregion(s)	Southwestern Newfoundland
Stream Order	3
Basin	Lomond River
Sampled By	NL
Accessibility	Access via forest access road off Route 431. Sampled upstream of bridge remnants.

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		51-75 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		1-5 mm thick	


Channel Data

Bankful Width	8.55 m
Wetted Width	6.15 m
Avg. Velocity	0.22 m/s
Max. Velocity	0.24 m/s
Avg. Channel Depth	14.7 cm
Max. Channel Depth	19 cm
Bankfull-Wetted Depth	95 cm
Slope	0.02 m/m

Water Chemistry

Parameter	Value	Units
pH	8.20	pH units
Conductivity	258.1	uS/cm
Dissolved Oxygen	10.28	mg/L
Temperature	12.38	°C
Turbidity	0	NTU
Copper	0.6	ug/L
Iron	0.04	mg/L
Lead	<0.1	ug/L
Zinc	0.6	ug/L
Chloride	15.93	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	0.03	mg/L
Nickel	0.2	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	gravel
Embeddedness	unembedded
Median Particle Size	14.9 cm
Geometric Mean Particle Size	7.5 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>	