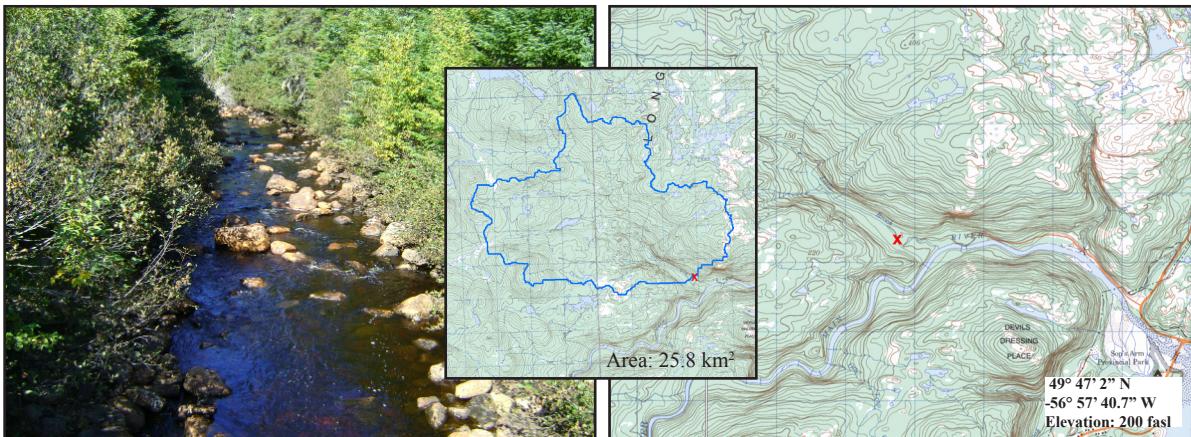


Little Brook Tributary to Main River

NF02YG0025

WESTERN



Site Description

Site Code	NF02YG0025
Name	Little Brook
Date Sampled	Sept. 22, 2010
Ecoregion(s)	Northern Peninsula
Stream Order	4
Basin	Main Brook
Sampled By	NL
Accessibility	Accessed via woods road along bank of Main River. Sampled upstream of trail bridge 4km in from Route 420.

Channel Data

Bankful Width	7.4 m
Wetted Width	6.1 m
Avg. Velocity	0.34 m/s
Max. Velocity	0.81 m/s
Avg. Channel Depth	22.67 cm
Max. Channel Depth	31 cm
Bankfull-Wetted Depth	45 cm
Slope	0.06 m/m

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	10.5 cm
Geometric Mean Particle Size	10.1 cm
Photo of Substrate	

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.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
	X	X	X (D)
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		0.5-1.0 mm thick	

Water Chemistry

Parameter	Value	Units
pH	6.7	pH units
Conductivity	30.4	uS/cm
Dissolved Oxygen	10.75	mg/L
Temperature	9.8	°C
Turbidity	0	NTU
Copper	0.71	ug/L
Iron	0.61	mg/L
Lead	0.1	ug/L
Zinc	1.3	ug/L
Chloride	2.97	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	2.9	ug/L