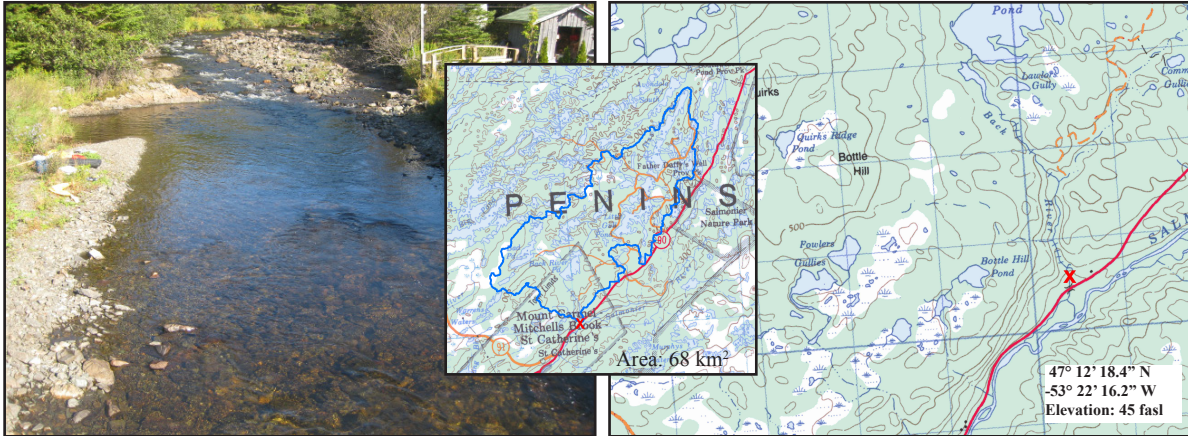


Back River at Salmonier Line

NF02ZN0009

EASTERN



Site Description

Site Code	NF02ZN0009
Name	Back River
Date Sampled	Sept. 17, 2009
Ecoregion(s)	Avalon Forest
Stream Order	4
Basin	Salmonier River
Sampled By	NL
Accessibility	Sampled 30m upstream of bridge at Route 90, accessed via gravel road on side.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X	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		1-5 mm thick	

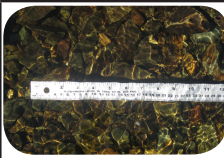
Channel Data

Bankful Width	10.9 m
Wetted Width	7.7 m
Avg. Velocity	0.37 m/s
Max. Velocity	0.45 m/s
Avg. Channel Depth	32.6 cm
Max. Channel Depth	46.0 cm
Bankfull-Wetted Depth	30 cm
Slope	0.014 m/m

Water Chemistry

Parameter	Value	Units
pH	7.08	pH units
Conductivity	36	uS/cm
Dissolved Oxygen	10.68	mg/L
Temperature	12.16	°C
Turbidity	0.2	NTU
Copper	<0.3	ug/L
Iron	0.14	mg/L
Lead	<0.1	ug/L
Zinc	0.6	ug/L
Chloride	5.9	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	<0.02	mg/L
Nickel	0.6	ug/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	small cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	18.05 cm
Geometric Mean Particle Size	10.80 cm
Photo of Substrate	
<p><i>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.</i></p>	