

Little Barchois River near Placentia

NF02ZK0027

EASTERN



Site Description

Site Code	NF02ZK0027
Name	Little Barchois River
Date Sampled	Aug. 30, 2010
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Little Barchois River
Sampled By	NL/EC
Accessibility	Sampled upstream of bridge and WSC station #02ZK003 at Route 100

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 mm thick	


Channel Data

Bankful Width	12.9 m
Wetted Width	12.5 m
Avg. Velocity	0.19 m/s
Max. Velocity	0.24 m/s
Avg. Channel Depth	17.4 cm
Max. Channel Depth	23.0 cm
Bankfull-Wetted Depth	3.5 cm
Slope	0.02 m/m

Water Chemistry

Parameter	Value	Units
pH	7.48	pH units
Conductivity	89.8	uS/cm
Dissolved Oxygen	7.86	mg/L
Temperature	17.58	°C
Turbidity	0.3	NTU
Copper	0.3	ug/L
Iron	0.17	mg/L
Lead	<0.1	ug/L
Zinc	<0.3	ug/L
Chloride	7.95	mg/L
Phosphorous (Total)	0.004	mg/L
Nitrate	<0.02	mg/L
Nickel	0.2	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	large pebble
Embeddedness	unembedded
Median Particle Size	8.80 cm
Geometric Mean Particle Size	8.20 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>	