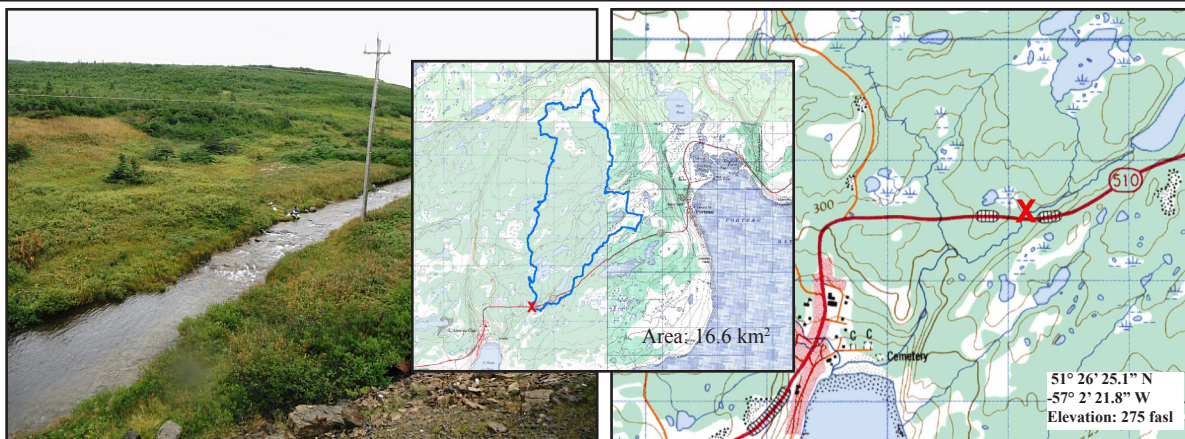


L'anse aux Clair Stream at Route 510

NF02XD0004

LABRADOR



Site Description

Site Code	NF02XD0004
Name	L'anse aux Clair Stream
Date Sampled	Sept. 6, 2011
Ecoregion(s)	Mecatina Plateau
Stream Order	3
Basin	Strait of Belle Isle - North Shore
Sampled By	NL
Accessibility	Sampled upstream of culverts on Route 510 between L'anse aux Clair and Forteau.

Reach Data

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

Channel Data

Bankful Width	6.7 m
Wetted Width	5.7 m
Avg. Velocity	0.57 m/s
Max. Velocity	0.96 m/s
Avg. Channel Depth	20.2 cm
Max. Channel Depth	28.0 cm
Bankfull-Wetted Depth	100 cm
Slope	0.06 m/m

Water Chemistry

Parameter	Value	Units
pH	7.78	pH units
Conductivity	229.5	uS/cm
Dissolved Oxygen	10.66	mg/L
Temperature	11.79	°C
Turbidity	1.6	NTU
Copper	0.11	ug/L
Iron	0.06	mg/L
Lead	<0.03	ug/L
Zinc	0.15	ug/L
Chloride	3.5	mg/L
Phosphorous (Total)	0.007	mg/L
Nitrate	<0.02	mg/L
Nickel	0.28	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	9.25 cm
Geometric Mean Particle Size	8.90 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.