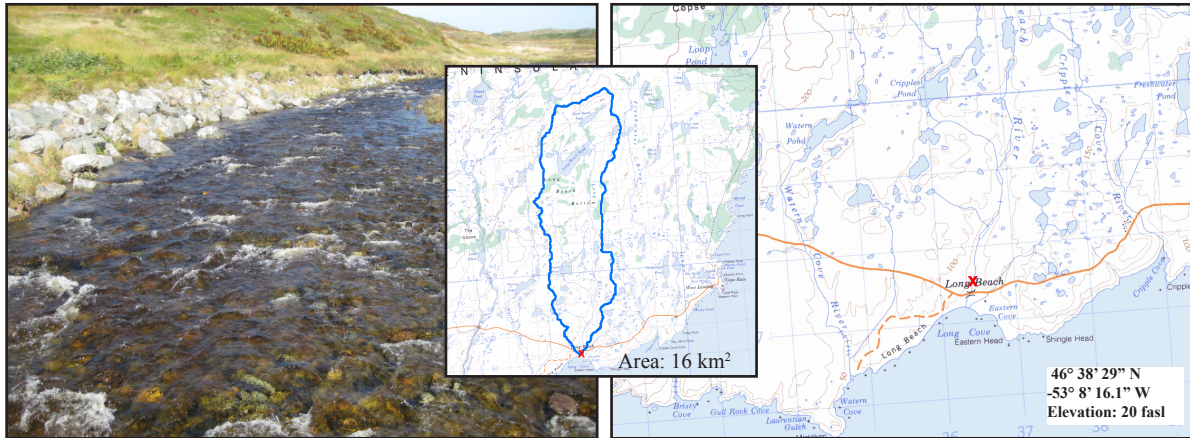


# Long Beach River at Long Beach

NF02ZM0362

EASTERN



## Site Description

Site Code	NF02ZM0362
Name	Long Beach River
Date Sampled	Aug. 31, 2010
Ecoregion(s)	South Avalon-Burin Oceanic Barren
Stream Order	2
Basin	Long Beach River
Sampled By	NL/EC
Accessibility	Sampled upstream of bridge at Long Beach on Cape Race/Mistaken Point access road.

## Reach Data

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


## Channel Data

Bankful Width	9.6 m
Wetted Width	5.55 m
Avg. Velocity	0.20 m/s
Max. Velocity	0.34 m/s
Avg. Channel Depth	17.2 cm
Max. Channel Depth	27.0 cm
Bankfull-Wetted Depth	40 cm
Slope	0.02 m/m

## Water Chemistry

Parameter	Value	Units
pH	7.2	pH units
Conductivity	43.9	uS/cm
Dissolved Oxygen	9.16	mg/L
Temperature	19.58	°C
Turbidity	0.1	NTU
Copper	0.2	ug/L
Iron	0.04	mg/L
Lead	<0.1	ug/L
Zinc	0.4	ug/L
Chloride	8.08	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	<0.02	mg/L
Nickel	<0.1	ug/L

## Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	small pebble
Embeddedness	unembedded
Median Particle Size	9.40 cm
Geometric Mean Particle Size	9.30 cm
Photo of Substrate	
<small>Substrate Size Class Categories: Organic cover; Sand/silt/clay (&lt; 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 (&gt; 25.6 cm); Bedrock.</small>	