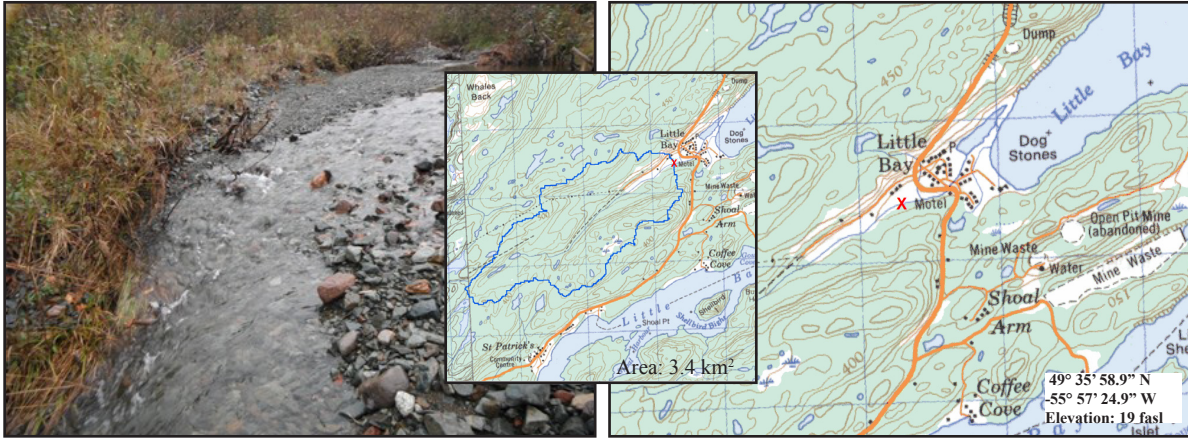


# First Pond Brook at Little Bay

NF02YM0044

CENTRAL



## Site Description

Site Code	NF02YM0044
Name	First Pond Brook
Date Sampled	Oct. 16, 2012
Ecoregion(s)	Northeastern Newfoundland
Stream Order	1
Basin	First Pond Brook
Sampled By	NL
Accessibility	Sampled 15m u/s of pumphouse at First Pond Brook

## Reach Data

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


## Channel Data

Bankful Width	7.73 m
Wetted Width	1.50 m
Avg. Velocity	0.36 m/s
Max. Velocity	0.42 m/s
Avg. Channel Depth	11.67 cm
Max. Channel Depth	15.00 cm
Bankfull-Wetted Depth	85 cm
Slope	0.004 m/m

## Water Chemistry

Parameter	Value	Units
pH	6.70	pH units
Conductivity	73.3	uS/cm
Dissolved Oxygen	11.9	mg/L
Temperature	6.71	°C
Turbidity	0	NTU
Copper	0.58	ug/L
Iron	<0.02	mg/L
Lead	<0.03	ug/L
Zinc	<0.05	ug/L
Chloride	3.91	mg/L
Phosphorous (Total)	<0.002	mg/L
Nitrate	0.14	mg/L
Nickel	0.14	ug/L

## Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small pebble
Surrounding Material	coarse sand
Embeddedness	3/4 embedded
Median Particle Size	4.35 cm
Geometric Mean Particle Size	4.10 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>	