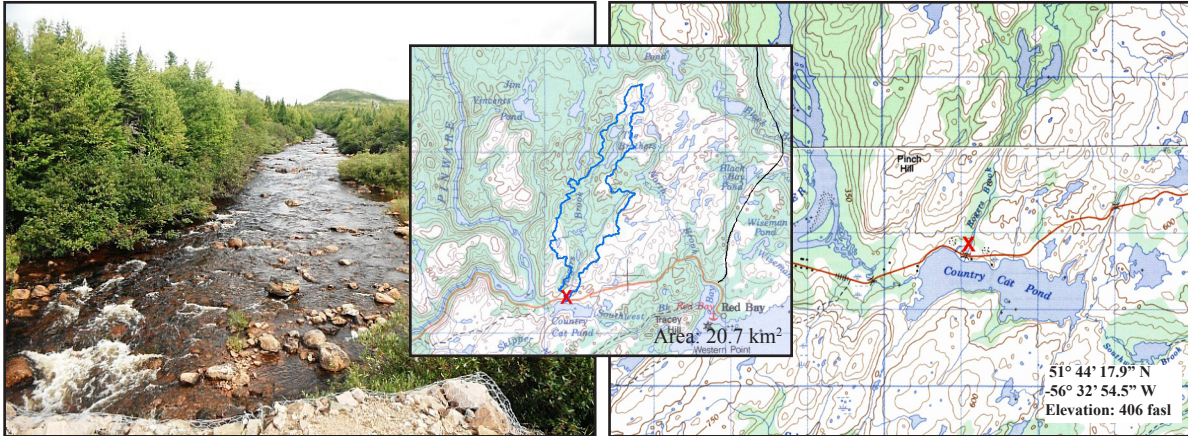


Rogers Brook at Country Cat Pond

NF02XD0005

LABRADOR



Site Description

Site Code	NF02XD0005
Name	Rogers Brook
Date Sampled	Sept. 8, 2011
Ecoregion(s)	Mecatina Plateau
Stream Order	3
Basin	Strait of Belle Isle - North Shore
Sampled By	NL
Accessibility	Sampled upstream of culverted crossing at Route 510, beside cabins at Country Cat Pond.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X			
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		0 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		1-5 mm thick	


Channel Data

Bankful Width	20 m
Wetted Width	14 m
Avg. Velocity	0.40 m/s
Max. Velocity	0.61 m/s
Avg. Channel Depth	23.17 cm
Max. Channel Depth	36.00 cm
Bankfull-Wetted Depth	70 cm
Slope	0.013 m/m

Water Chemistry

Parameter	Value	Units
pH	5.89	pH units
Conductivity	13.3	uS/cm
Dissolved Oxygen	10.45	mg/L
Temperature	12.32	°C
Turbidity	0	NTU
Copper	0.24	ug/L
Iron	0.38	mg/L
Lead	0.04	ug/L
Zinc	0.76	ug/L
Chloride	1.7	mg/L
Phosphorous (Total)	0.009	mg/L
Nitrate	<0.02	mg/L
Nickel	1.49	ug/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	small cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	12.0 cm
Geometric Mean Particle Size	11.9 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>	