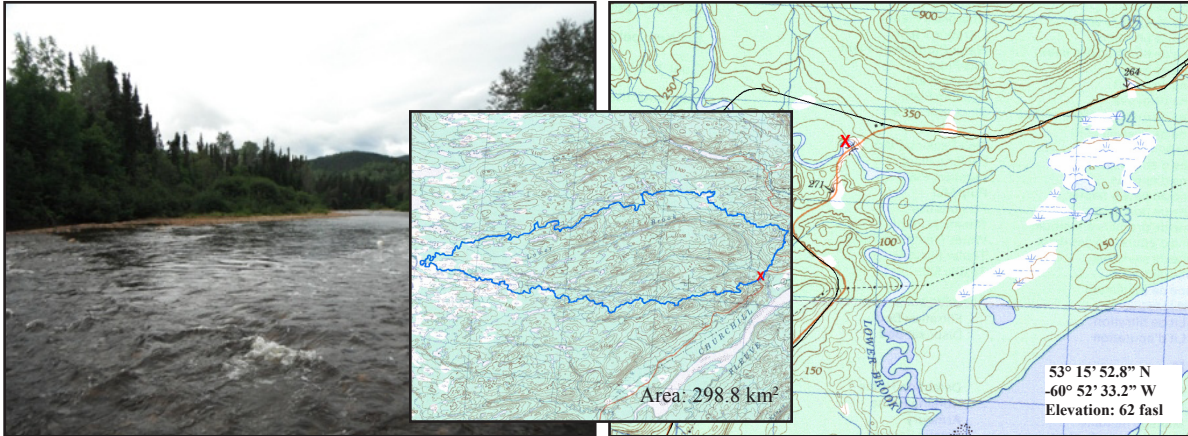


Lower Brook at Old Bridge

NF03OE0055

LABRADOR



Site Description

Site Code	NF03OE0055
Name	Lower Brook
Date Sampled	Aug. 28, 2012
Ecoregion(s)	Lake Melville/Nipishish Lake
Stream Order	5
Basin	Churchill River
Sampled By	NL
Accessibility	Sampled 30m upstream of old highway bridge off Route 500, 27km west of Churchill River Bridge

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		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			0.5-1.0 mm thick


Channel Data

Bankful Width	38.4 m
Wetted Width	25.2 m
Avg. Velocity	0.66 m/s
Max. Velocity	1.28 m/s
Avg. Channel Depth	70.33 cm
Max. Channel Depth	96.00 cm
Bankfull-Wetted Depth	120 cm
Slope	0.013 m/m

Water Chemistry

Parameter	Value	Units
pH	6.76	pH units
Conductivity	16.2	uS/cm
Dissolved Oxygen	9.33	mg/L
Temperature	16.76	°C
Turbidity	2.1	NTU
Copper	0.38	ug/L
Iron	0.32	mg/L
Lead	0.04	ug/L
Zinc	0.33	ug/L
Chloride	0.41	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	0.02	mg/L
Nickel	1.26	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	coarse sand
Embeddedness	1/4 embedded
Median Particle Size	7.0 cm
Geometric Mean Particle Size	6.8 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>	