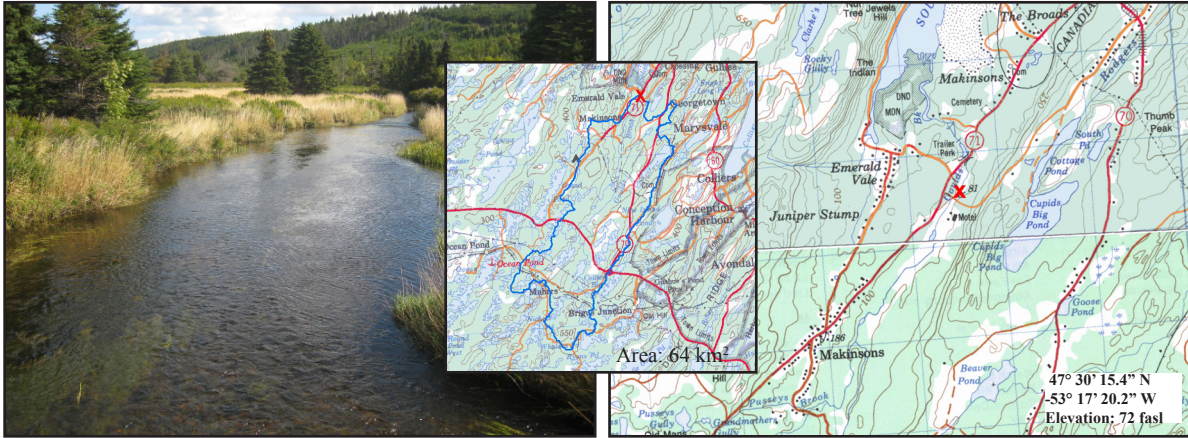


Goulds Brook near Makinsons

NF02ZL0029

EASTERN



Site Description

Site Code	NF02ZL0029
Name	Goulds Brook
Date Sampled	Sept. 15, 2009
Ecoregion(s)	Maritime Barrens/Avalon Forest
Stream Order	4
Basin	Goulds Brook
Sampled By	NL
Accessibility	Sampled 75m downstream of old bridge off Makinsons Road (Route 71).

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		0 %	
Macrophyte Coverage		51-75 %	
Periphyton Coverage		<0.5 mm thick	

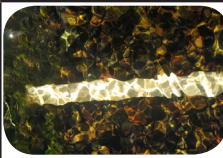
Channel Data

Bankful Width	12.1 m
Wetted Width	7.75 m
Avg. Velocity	0.3 m/s
Max. Velocity	0.31 m/s
Avg. Channel Depth	24.4 cm
Max. Channel Depth	31.0 cm
Bankfull-Wetted Depth	70 cm
Slope	0.019 m/m

Water Chemistry

Parameter	Value	Units
pH	6.93	pH units
Conductivity	98	uS/cm
Dissolved Oxygen	10.71	mg/L
Temperature	14.22	°C
Turbidity	1.9	NTU
Copper	<0.3	ug/L
Iron	0.26	mg/L
Lead	<0.1	ug/L
Zinc	0.4	ug/L
Chloride	22.27	mg/L
Phosphorous (Total)	0.026	mg/L
Nitrate	<0.02	mg/L
Nickel	1.1	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small pebble
Surrounding Material	gravel
Embeddedness	unembedded
Median Particle Size	4.0 cm
Geometric Mean Particle Size	3.9 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>	