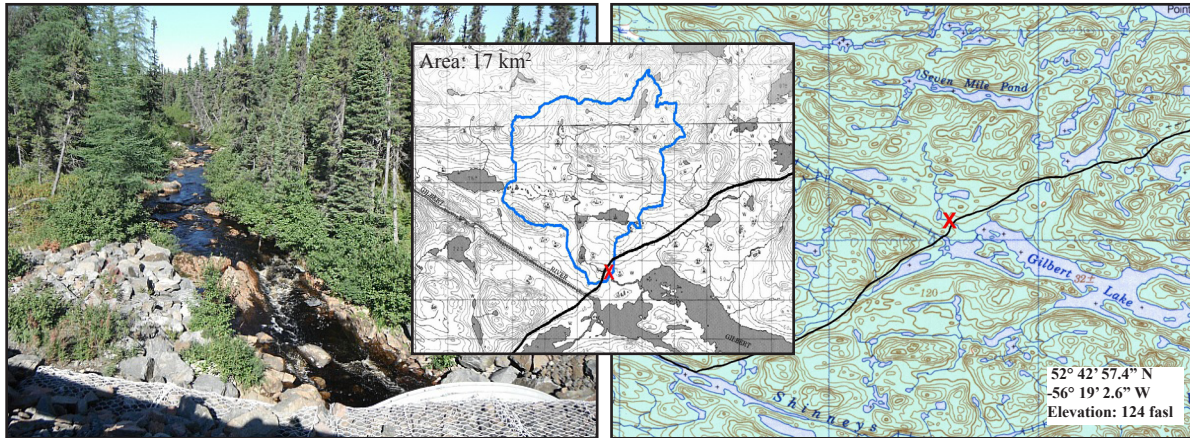


Tributary to Gilbert Lake at Route 514

NF03QC0079

LABRADOR



Site Description

Site Code	NF03QC0079
Name	Tributary to Gilbert Lake
Date Sampled	Sept. 7, 2011
Ecoregion(s)	Paradise River
Stream Order	3
Basin	Labrador Sea - Alexis
Sampled By	NL
Accessibility	Sampled upstream of culverted crossing 750m east of Gilbert River on Route 514 to Charlottetown, Lab.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X		
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X		X (D)
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		1-5 mm thick	

Channel Data

Bankful Width	6.6 m
Wetted Width	5.1 m
Avg. Velocity	0.26 m/s
Max. Velocity	0.42 m/s
Avg. Channel Depth	24.00 cm
Max. Channel Depth	14.17 cm
Bankfull-Wetted Depth	50 cm
Slope	0.05 m/m

Water Chemistry

Parameter	Value	Units
pH	5.92	pH units
Conductivity	21.9	uS/cm
Dissolved Oxygen	9.95	mg/L
Temperature	11.65	°C
Turbidity	0	NTU
Copper	0.4	ug/L
Iron	0.54	mg/L
Lead	0.05	ug/L
Zinc	1.04	ug/L
Chloride	2.1	mg/L
Phosphorous (Total)	0.01	mg/L
Nitrate	<0.02	mg/L
Nickel	2.28	ug/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	boulder
Surrounding Material	large pebble
Embeddedness	unembedded
Median Particle Size	21.0 cm
Geometric Mean Particle Size	22.7 cm
Photo of Substrate	n/a

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.