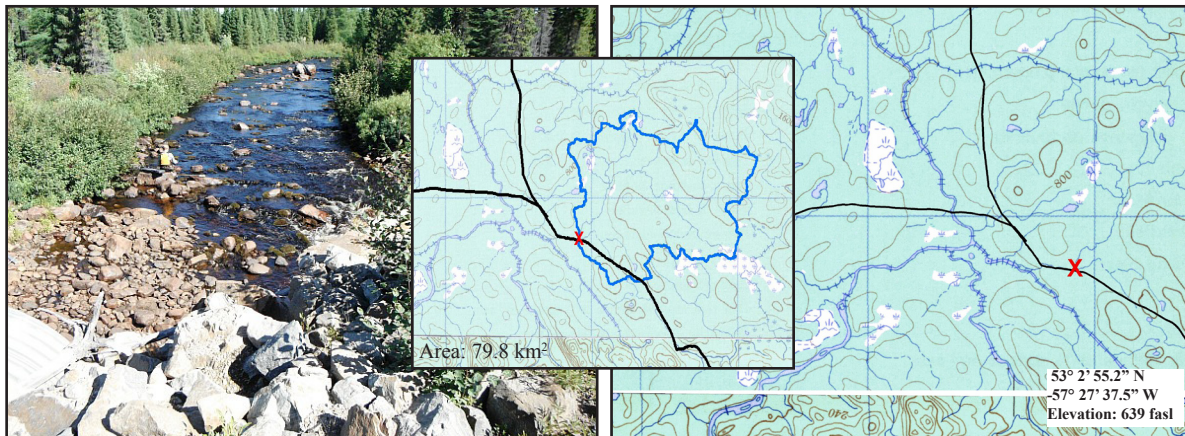


Tributary to Southwest Feeder at Route 510

NF03QC0080

LABRADOR



Site Description

Site Code	NF03QC0080
Name	Tributary to Southwest Feeder
Date Sampled	Sept. 7, 2011
Ecoregion(s)	Paradise River
Stream Order	4
Basin	Labrador Sea - Eagle - Paradise
Sampled By	NL
Accessibility	Sampled upstream of Route 510, 4.5km southeast of Cartwright Junction.

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		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		>20 mm thick	

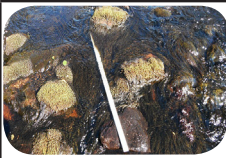
Channel Data

Bankful Width	12.0 m
Wetted Width	10.1 m
Avg. Velocity	0.56 m/s
Max. Velocity	0.88 m/s
Avg. Channel Depth	18.33 cm
Max. Channel Depth	26.00 cm
Bankfull-Wetted Depth	75 cm
Slope	0.03 m/m

Water Chemistry

Parameter	Value	Units
pH	6.72	pH units
Conductivity	25.2	uS/cm
Dissolved Oxygen	11.15	mg/L
Temperature	11.49	°C
Turbidity	0	NTU
Copper	0.11	ug/L
Iron	1.22	mg/L
Lead	<0.03	ug/L
Zinc	0.18	ug/L
Chloride	1.2	mg/L
Phosphorous (Total)	0.023	mg/L
Nitrate	<0.02	mg/L
Nickel	4.17	ug/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	small cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	13.0 cm
Geometric Mean Particle Size	12.9 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>	