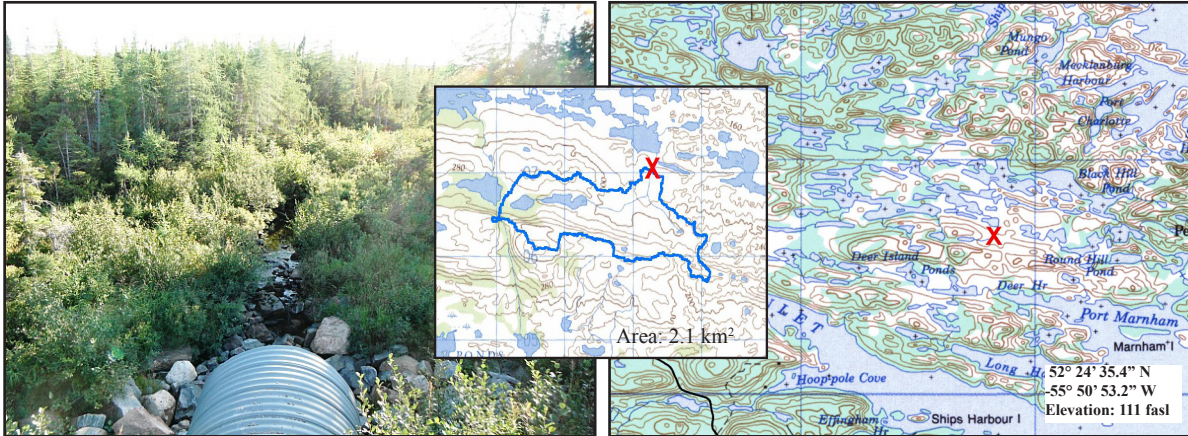


Unnamed Stream near St. Lewis

NF03QC0081

LABRADOR



Site Description

Site Code	NF03QC0081
Name	Unnamed Stream near St. Lewis
Date Sampled	Sept. 7, 2011
Ecoregion(s)	Coastal Barrens
Stream Order	2
Basin	Labrador Sea - Alexis
Sampled By	NL
Accessibility	Sampled upstream of culvert on Route 513 to St. Lewis, 17.8km east of Route 510/513 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)		
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		5-20 mm thick	

Channel Data

Bankful Width	2.9 m
Wetted Width	2.1 m
Avg. Velocity	0.08 m/s
Max. Velocity	0.13 m/s
Avg. Channel Depth	27.8 cm
Max. Channel Depth	40.0 cm
Bankfull-Wetted Depth	40 cm
Slope	0.005 m/m

Water Chemistry

Parameter	Value	Units
pH	5.77	pH units
Conductivity	27.7	uS/cm
Dissolved Oxygen	10	mg/L
Temperature	13.43	°C
Turbidity	0	NTU
Copper	0.45	ug/L
Iron	0.82	mg/L
Lead	0.13	ug/L
Zinc	1.16	ug/L
Chloride	4.0	mg/L
Phosphorous (Total)	0.007	mg/L
Nitrate	<0.02	mg/L
Nickel	3.07	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	large pebble
Embeddedness	1/4 embedded
Median Particle Size	8.5 cm
Geometric Mean Particle Size	8.1 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>	