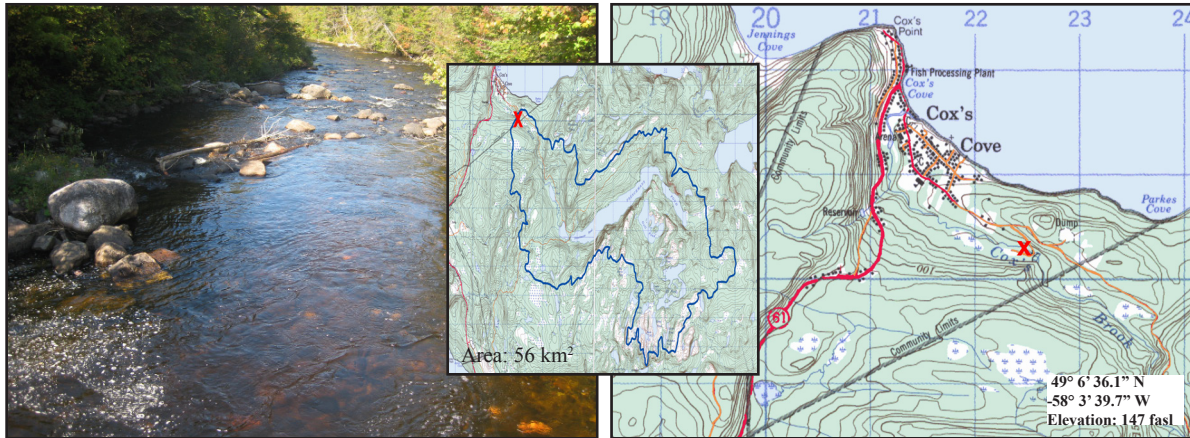


Cox's Brook southeast of Cox's Cove

NF02YH0054

WESTERN




Site Description

Site Code	NF02YH0054
Name	Cox's Brook
Date Sampled	Sept. 21, 2009
Ecoregion(s)	Southwestern Newfoundland
Stream Order	3
Basin	Cox's Brook
Sampled By	NL
Accessibility	Access via gravel road to mink farm. Sampled 50m downstream of falls and pedestrian bridge.

Channel Data

Bankful Width	16.6 m
Wetted Width	13.4 m
Avg. Velocity	0.28 m/s
Max. Velocity	0.34 m/s
Avg. Channel Depth	32.2 cm
Max. Channel Depth	49 cm
Bankfull-Wetted Depth	50 cm
Slope	0.07 m/m

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	boulder
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	28.5 cm
Geometric Mean Particle Size	13.5 cm
Photo of Substrate	

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.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X	X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X	X (D)	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		5-20 mm thick	

Water Chemistry

Parameter	Value	Units
pH	7.74	pH units
Conductivity	61.2	uS/cm
Dissolved Oxygen	10.32	mg/L
Temperature	14.01	°C
Turbidity	0	NTU
Copper	0.8	ug/L
Iron	0.09	mg/L
Lead	<0.1	ug/L
Zinc	1.5	ug/L
Chloride	6.39	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	0.08	mg/L
Nickel	0.3	ug/L