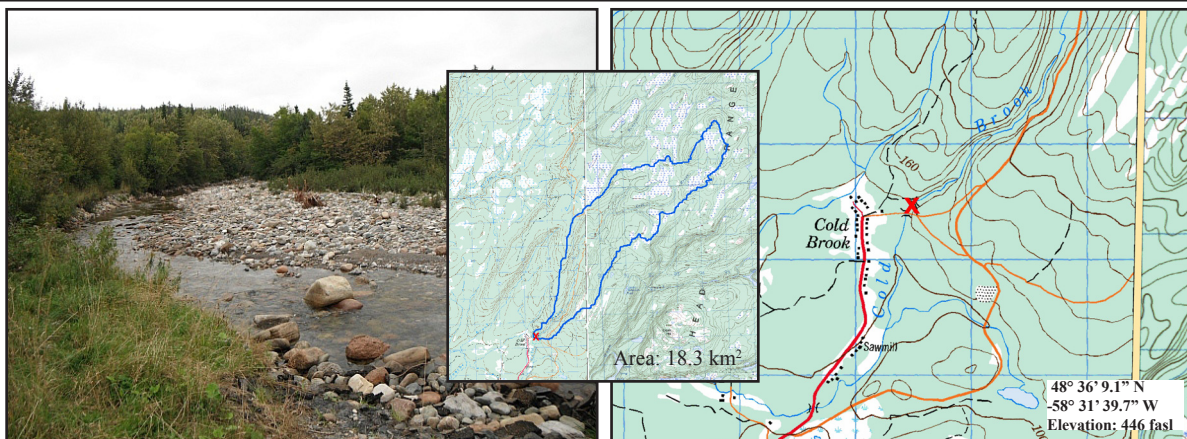


Cold Brook off Cold Brook Road

NF02YJ0036

WESTERN



Site Description

Site Code	NF02YJ0036
Name	Cold Brook
Date Sampled	Sept. 12, 2011
Ecoregion(s)	Southwestern Newfoundland
Stream Order	2
Basin	Port au Port Bay
Sampled By	NL
Accessibility	Access via ATV trail at end of Cold Brook road. Follow trail to river, sample upstream of ATV crossing

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)	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		<0.5 mm thick	


Channel Data

Bankful Width	23 m
Wetted Width	5.5 m
Avg. Velocity	0.33 m/s
Max. Velocity	0.53 m/s
Avg. Channel Depth	20.9 cm
Max. Channel Depth	31.0 cm
Bankfull-Wetted Depth	70 cm
Slope	0.008 m/m

Water Chemistry

Parameter	Value	Units
pH	8.15	pH units
Conductivity	269.6	uS/cm
Dissolved Oxygen	10.77	mg/L
Temperature	10.96	°C
Turbidity	0.2	NTU
Copper	0.35	ug/L
Iron	<0.02	mg/L
Lead	<0.03	ug/L
Zinc	0.12	ug/L
Chloride	4.14	mg/L
Phosphorous (Total)	<0.002	mg/L
Nitrate	0.12	mg/L
Nickel	0.17	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small cobble
Surrounding Material	coarse sand
Embeddedness	1/4 embedded
Median Particle Size	9.0 cm
Geometric Mean Particle Size	8.8 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>	