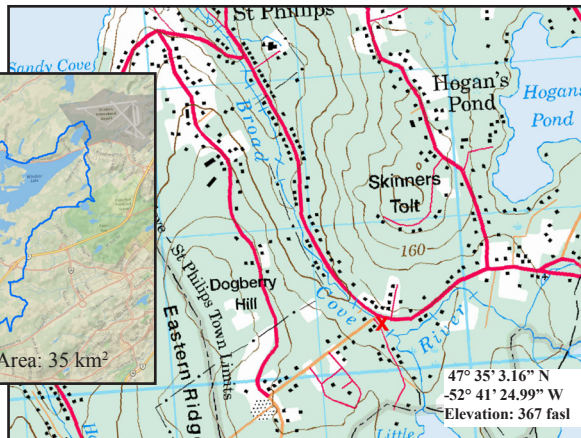


Broad Cove Brook near St. Phillips

NF02ZM0020

EASTERN



Site Description

Site Code	NF02ZM0020
Name	Broad Cove Brook
Date Sampled	Oct. 29, 2008
Ecoregion(s)	Maritime Barrens
Stream Order	3
Basin	Broad Cove Brook
Sampled By	NL/NAACAP
Accessibility	Sampled upstream of bridge at Dan's Road off Thorburn Road.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	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		1-5 mm thick	


Channel Data

Bankful Width	9.15 m
Wetted Width	8.68 m
Avg. Velocity	0.14 m/s
Max. Velocity	0.18 m/s
Avg. Channel Depth	33.3 cm
Max. Channel Depth	45 cm
Bankfull-Wetted Depth	21 cm
Slope	n/a

Water Chemistry

Parameter	Value	Units
pH	5.85	pH units
Conductivity	113.1	uS/cm
Dissolved Oxygen	10.87	mg/L
Temperature	10.34	°C
Turbidity	0.4	NTU
Copper	0.5	ug/L
Iron	0.17	mg/L
Lead	0.01	ug/L
Zinc	3.0	ug/L
Chloride	27.42	mg/L
Phosphorous (Total)	0.007	mg/L
Nitrate	0.01	mg/L
Nickel	0.2	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	small pebble
Embeddedness	n/a
Median Particle Size	2.15 cm
Geometric Mean Particle Size	5.30 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>	