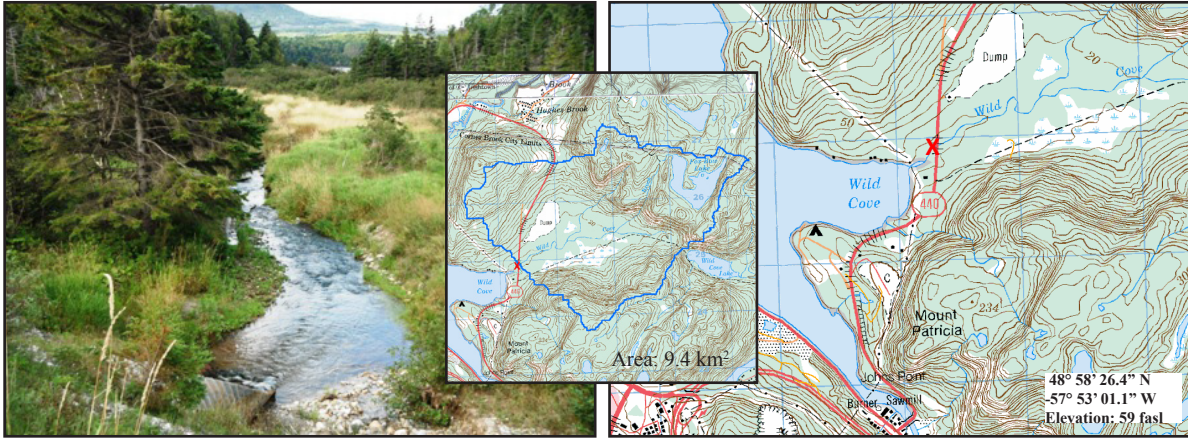


Wild Cove Brook at Route 440

NF02YL0029

WESTERN



Site Description

Site Code	NF02YL0029
Name	Wild Cove Brook
Date Sampled	Sept. 6, 2012
Ecoregion(s)	Southwestern Newfoundland
Stream Order	2
Basin	Wild Cove Brook
Sampled By	NL
Accessibility	Sampled 10m d/s of culverted crossing at Route 440 near waste management facility

Reach Data

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


Channel Data

Bankful Width	6.3 m
Wetted Width	3.05 m
Avg. Velocity	0.38 m/s
Max. Velocity	0.71 m/s
Avg. Channel Depth	14.33 cm
Max. Channel Depth	18.00 cm
Bankfull-Wetted Depth	35 cm
Slope	0.022 m/m

Water Chemistry

Parameter	Value	Units
pH	7.82	pH units
Conductivity	324.5	uS/cm
Dissolved Oxygen	9.43	mg/L
Temperature	11.94	°C
Turbidity	17.6	NTU
Copper	0.35	ug/L
Iron	0.3	mg/L
Lead	0.09	ug/L
Zinc	0.81	ug/L
Chloride	16.57	mg/L
Phosphorous (Total)	0.065	mg/L
Nitrate	0.39	mg/L
Nickel	1.57	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small cobble
Surrounding Material	coarse sand
Embeddedness	unembedded
Median Particle Size	5.75 cm
Geometric Mean Particle Size	4.80 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>	