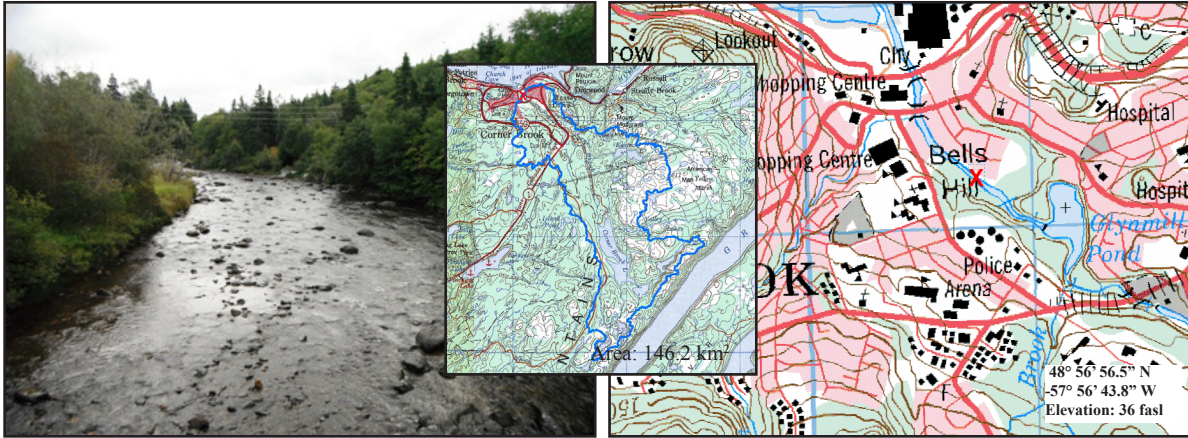


Corner Brook Stream at Brook Street

NF02YL0102

WESTERN



Site Description

Site Code	NF02YL0102
Name	Corner Brook Stream
Date Sampled	Sept. 6, 2012
Ecoregion(s)	Southwestern Newfoundland
Stream Order	5
Basin	Corner Brook Stream
Sampled By	NL
Accessibility	Sampled u/s of pedestrian trailway bridge near Brook Street in Corner Brook

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
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	22.7 m
Wetted Width	20.7 m
Avg. Velocity	0.65 m/s
Max. Velocity	1.01 m/s
Avg. Channel Depth	24.9 cm
Max. Channel Depth	44.0 cm
Bankfull-Wetted Depth	75 cm
Slope	0.003 m/m

Water Chemistry

Parameter	Value	Units
pH	7.88	pH units
Conductivity	174.6	uS/cm
Dissolved Oxygen	9.72	mg/L
Temperature	16.21	°C
Turbidity	4.4	NTU
Copper	0.35	ug/L
Iron	0.09	mg/L
Lead	0.03	ug/L
Zinc	0.64	ug/L
Chloride	12.93	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	0.1	mg/L
Nickel	0.46	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	8.0 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>	