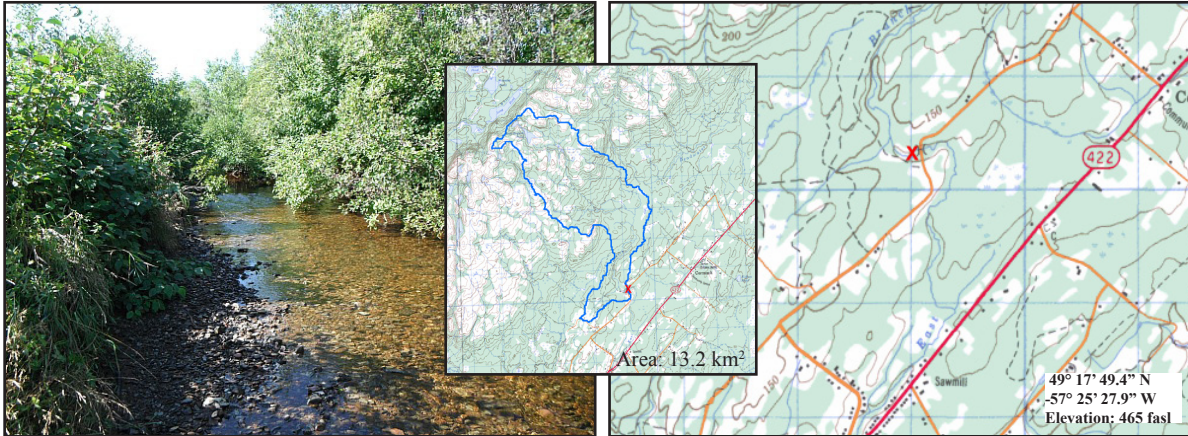


Rocky Brook East Branch

NF02YL0098

WESTERN



Site Description

Site Code	NF02YL0098
Name	Rocky Brook East Branch
Date Sampled	Sept. 13, 2011
Ecoregion(s)	Southwestern Newfoundland
Stream Order	3
Basin	Humber River
Sampled By	NL
Accessibility	Sampled upstream of culvert on Tamarack Drive, NW of Route 422 through Cormack

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		<0.5 mm thick	

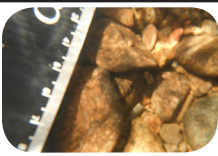
Channel Data

Bankful Width	8 m
Wetted Width	4.5 m
Avg. Velocity	0.33 m/s
Max. Velocity	0.4 m/s
Avg. Channel Depth	10.33 cm
Max. Channel Depth	11.00 cm
Bankfull-Wetted Depth	55 cm
Slope	0.03 m/m

Water Chemistry

Parameter	Value	Units
pH	7.28	pH units
Conductivity	114.7	uS/cm
Dissolved Oxygen	10.04	mg/L
Temperature	11.31	°C
Turbidity	1.2	NTU
Copper	0.59	ug/L
Iron	0.36	mg/L
Lead	0.09	ug/L
Zinc	0.52	ug/L
Chloride	2.48	mg/L
Phosphorous (Total)	0.011	mg/L
Nitrate	0.16	mg/L
Nickel	1.68	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small pebble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	3.5 cm
Geometric Mean Particle Size	3.3 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>	