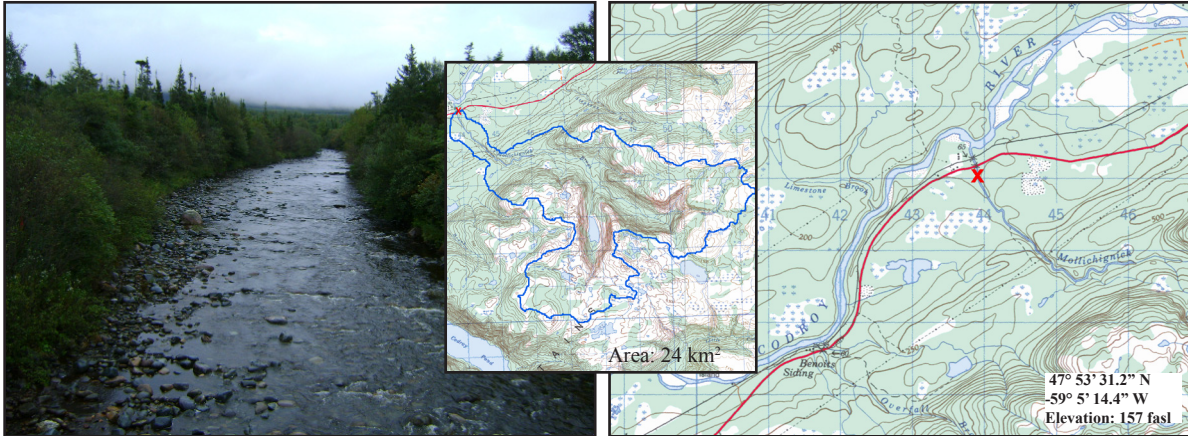


Mollichignick Brook at TCH

NF02ZA0025

WESTERN



Site Description

Site Code	NF02ZA0025
Name	Mollichignick Brook
Date Sampled	Sept. 20, 2010
Ecoregion(s)	Southwestern Newfoundland
Stream Order	4
Basin	Grand Codroy River
Sampled By	NL/EC
Accessibility	Sampled 20 m upstream of bridge at TCH near South Branch.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X			
Surrounding Vegetation (D=dominant)			
Ferns/ Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)		
Canopy Coverage		0 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		1-5 mm thick	


Channel Data

Bankful Width	22 m
Wetted Width	15 m
Avg. Velocity	0.44 m/s
Max. Velocity	0.62 m/s
Avg. Channel Depth	18.17 cm
Max. Channel Depth	30 cm
Bankfull-Wetted Depth	120 cm
Slope	0.02 m/m

Water Chemistry

Parameter	Value	Units
pH	7.19	pH units
Conductivity	54	uS/cm
Dissolved Oxygen	9.86	mg/L
Temperature	12.95	°C
Turbidity	0.3	NTU
Copper	0.89	ug/L
Iron	0.08	mg/L
Lead	0.07	ug/L
Zinc	0.4	ug/L
Chloride	6.12	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	0.18	mg/L
Nickel	0.86	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	7.0 cm
Geometric Mean Particle Size	7.2 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>	