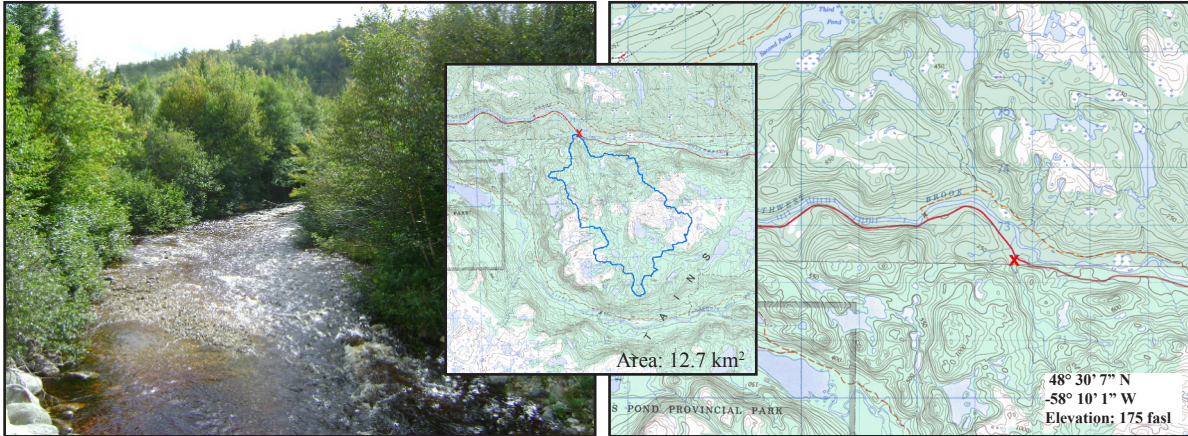


Unnamed Stream 9 km south of TCH on Route 480

NF02ZA0028

WESTERN



Site Description

Site Code	NF02ZA0028
Name	Unnamed Stream
Date Sampled	Sept. 21, 2010
Ecoregion(s)	Central Newfoundland
Stream Order	3
Basin	Southwest Brook
Sampled By	NL/EC
Accessibility	Sampled 20m upstream of culvert at Route 480, 9km south of TCH.

Reach Data

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


Channel Data

Bankful Width	15.0 m
Wetted Width	10.7 m
Avg. Velocity	0.86 m/s
Max. Velocity	1.00 m/s
Avg. Channel Depth	17.17 cm
Max. Channel Depth	27 cm
Bankfull-Wetted Depth	130 cm
Slope	0.1 m/m

Water Chemistry

Parameter	Value	Units
pH	7.24	pH units
Conductivity	36.1	uS/cm
Dissolved Oxygen	9.83	mg/L
Temperature	12.23	°C
Turbidity	0.6	NTU
Copper	0.6	ug/L
Iron	0.34	mg/L
Lead	0.2	ug/L
Zinc	1.3	ug/L
Chloride	3.86	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	<0.02	mg/L
Nickel	1.98	ug/L

Substrate

Dominant Substrate	small pebble
2nd Dominant Substrate	large pebble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	4.0 cm
Geometric Mean Particle Size	4.1 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>	