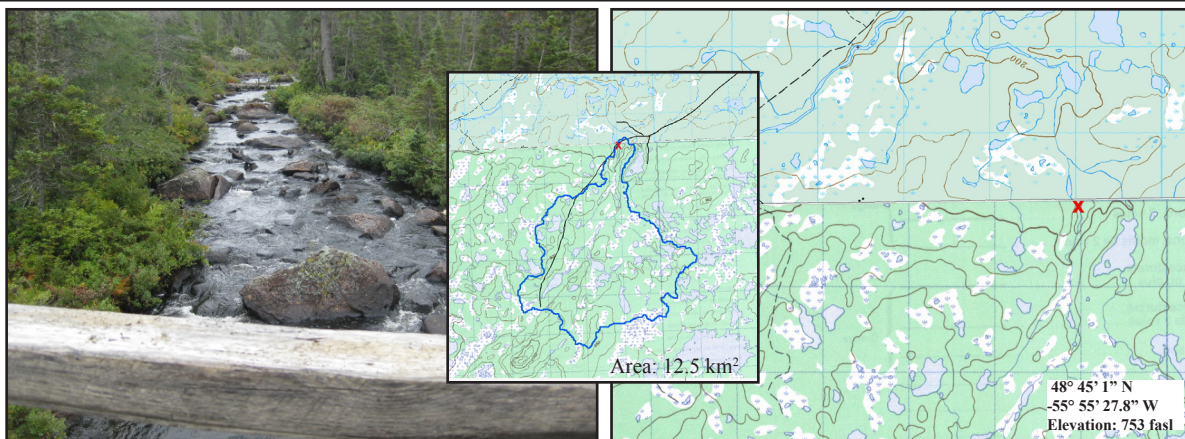


Tributary to Diversion Lake

NF02YO0195

CENTRAL



Site Description

Site Code	NF02YO0195
Name	Tributary to Diversion Lake
Date Sampled	Sept. 16, 2010
Ecoregion(s)	Central Newfoundland
Stream Order	3
Basin	Exploits River
Sampled By	NL
Accessibility	Sampled upstream of bridge, 28 km SW of Grand Falls-Windsor on forest access road.

Reach Data

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

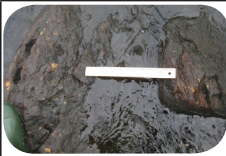
Channel Data

Bankful Width	4.8 m
Wetted Width	4.15 m
Avg. Velocity	0.46 m/s
Max. Velocity	0.54 m/s
Avg. Channel Depth	12 cm
Max. Channel Depth	13 cm
Bankfull-Wetted Depth	30 cm
Slope	0.01 m/m

Water Chemistry

Parameter	Value	Units
pH	7.09	pH units
Conductivity	32.3	uS/cm
Dissolved Oxygen	10.08	mg/L
Temperature	12.71	°C
Turbidity	0.6	NTU
Copper	0.16	ug/L
Iron	0.24	mg/L
Lead	0.05	ug/L
Zinc	0.3	ug/L
Chloride	1.50	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	<0.02	mg/L
Nickel	1.14	ug/L

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	boulder
Surrounding Material	large cobble
Embeddedness	1/4 embedded
Median Particle Size	21.0 cm
Geometric Mean Particle Size	23.4 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>	