

Northwest Gander River at Highway Bridge

NF02YQ0006

CENTRAL



Site Description

Site Code	NF02YQ0006
Name	Northwest Gander River
Date Sampled	Oct. 8, 2008
Ecoregion(s)	Maritime Barrens/Central Nfld
Stream Order	6
Basin	Gander River
Sampled By	NL
Accessibility	Sampled 100 m upstream of bridge at Route 360.

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)	
Canopy Coverage		0 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		<0.5 mm thick	


Channel Data

Bankful Width	104.4 m
Wetted Width	75 m
Avg. Velocity	0.35 m/s
Max. Velocity	0.60 m/s
Avg. Channel Depth	16.9 cm
Max. Channel Depth	26.5 cm
Bankfull-Wetted Depth	170 cm
Slope	n/a

Water Chemistry

Parameter	Value	Units
pH	6.36	pH units
Conductivity	21.1	uS/cm
Dissolved Oxygen	11.99	mg/L
Temperature	8.19	°C
Turbidity	0.5	NTU
Copper	0.3	ug/L
Iron	0.39	mg/L
Lead	<0.1	ug/L
Zinc	0.4	ug/L
Chloride	1.95	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	1.0	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	gravel
Embeddedness	n/a
Median Particle Size	4.20 cm
Geometric Mean Particle Size	6.50 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>	