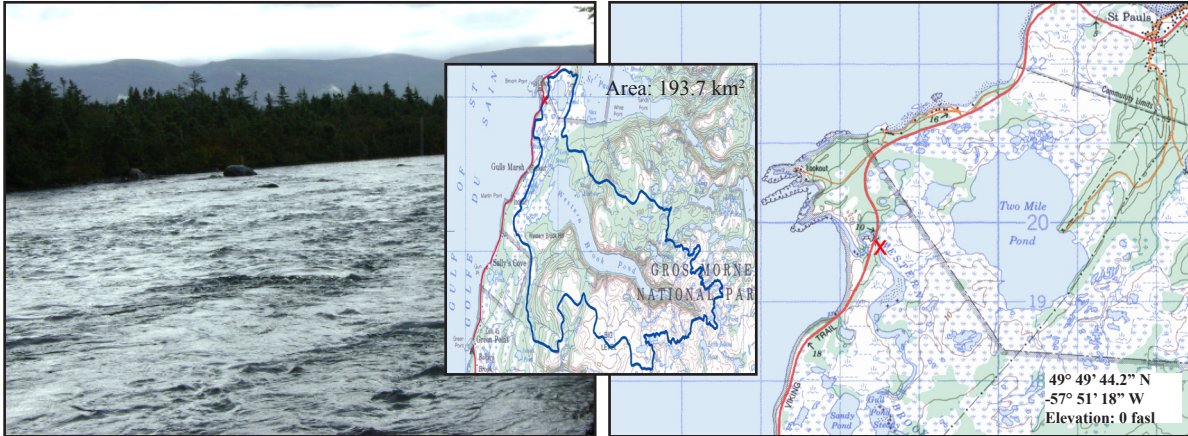


Western Brook at Route 430

NF02YE0005

WESTERN



Site Description

Site Code	NF02E0005
Name	Western Brook at Bridge
Date Sampled	Oct. 1, 2008
Ecoregion(s)	Long Range Mnts/Northern Pen./Southwestern Nfld
Stream Order	5
Basin	Western Brook
Sampled By	NL
Accessibility	Accessed at bridge crossing route 430. Sampled upstream of bridge.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	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		0.5-1.0 mm thick	


Channel Data

Bankful Width	28.6 m
Wetted Width	26.8 m
Avg. Velocity	0.65 m/s
Max. Velocity	0.99 m/s
Avg. Channel Depth	43.6 cm
Max. Channel Depth	67 cm
Bankfull-Wetted Depth	35 cm
Slope	n/a

Water Chemistry

Parameter	Value	Units
pH	6.87	pH units
Conductivity	35.6	uS/cm
Dissolved Oxygen	9.72	mg/L
Temperature	13.7	°C
Turbidity	0.2	NTU
Copper	0.3	ug/L
Iron	0.04	mg/L
Lead	<0.1	ug/L
Zinc	0.5	ug/L
Chloride	4.8	mg/L
Phosphorous (Total)	0.003	mg/L
Nitrate	0.14	mg/L
Nickel	0.1	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	small pebble
Embeddedness	n/a
Median Particle Size	3.45 cm
Geometric Mean Particle Size	8.7 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>	