

# Tributary to Peter's River

NF02YO0194

CENTRAL



## Site Description

Site Code	NF02YO0194		
Name	Tributary to Peter's River		
Date Sampled	Sept. 15, 2010		
Ecoregion(s)	Central Newfoundland		
Stream Order	3		
Basin	Peter's River		
Sampled By	NL		
Accessibility	Sampled downstream of culvert on farm access road, south of forestry nursery off New Bay Road.		

## 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

## Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	small pebble
Embeddedness	unembedded
Median Particle Size	8.50 cm
Geometric Mean Particle Size	8.10 cm
Photo of Substrate	

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.

## Reach Data

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

## Water Chemistry

Parameter	Value	Units
pH	7.07	pH units
Conductivity	62.4	uS/cm
Dissolved Oxygen	9.04	mg/L
Temperature	12.08	°C
Turbidity	0.7	NTU
Copper	0.28	ug/L
Iron	0.21	mg/L
Lead	0.06	ug/L
Zinc	0.3	ug/L
Chloride	4.06	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	<0.02	mg/L
Nickel	1.09	ug/L