

# Seal Brook at Route 480

NF02ZC0022

WESTERN



## Site Description

Site Code	NF02ZC0022
Name	Seal Brook
Date Sampled	Sept. 5, 2012
Ecoregion(s)	Long Range Mnts/Maritime Barrens
Stream Order	4
Basin	Grandy's Brook
Sampled By	NL
Accessibility	Sampled 20m u/s of bridge crossing Burgeo highway (Rt. 480)

## Reach Data

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


## Channel Data

Bankful Width	29.5 m
Wetted Width	16.8 m
Avg. Velocity	0.21 m/s
Max. Velocity	0.46 m/s
Avg. Channel Depth	28.25 cm
Max. Channel Depth	39.00 cm
Bankfull-Wetted Depth	50 cm
Slope	0.03 m/m

## Water Chemistry

Parameter	Value	Units
pH	6.23	pH units
Conductivity	18.7	uS/cm
Dissolved Oxygen	9.26	mg/L
Temperature	18.18	°C
Turbidity	0.4	NTU
Copper	0.16	ug/L
Iron	0.17	mg/L
Lead	0.14	ug/L
Zinc	0.55	ug/L
Chloride	3.23	mg/L
Phosphorous (Total)	0.002	mg/L
Nitrate	<0.02	mg/L
Nickel	0.64	ug/L

## Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	coarse sand
Embeddedness	unembedded
Median Particle Size	12 cm
Geometric Mean Particle Size	12 cm
Photo of Substrate	
<small>Substrate Size Class Categories: Organic cover; Sand/silt/clay (&lt; 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 (&gt; 25.6 cm); Bedrock.</small>	