

Climatic Data

SCHEDULE "B" : Building Bylaw No. 409-2, 2007
Climatic Data for Sechelt, BC (49° 28' 0"N 123°46' 0"W)

Elevation 25 metres above sea level*

January 2 1/2% Design dry bulb temperature -8o C
January 1% Design dry bulb temperature -10o C
July 2 1/2% Design dry bulb temperature 26o C
July 2 1/2% Design wet bulb temperature 18o C

Annual total degree–days below 18o C 3,050
Maximum fifteen-minute rainfall 8 mm
Maximum one day rainfall 70 mm
Annual rainfall 1,140 mm
Annual total precipitation 1,200 mm
Moisture Index 1.27

Ground snow load, snow component S (s) 30 years 2.0 kPa
Ground snow load, rain component S (r) 30 years 0.4 kPa
Ground snow load, snow component S(s) 50 years 2.2 kPa
Ground snow load, rain component S(r) 50 years 0.4 kPa

Driving Rain Wind Pressure, 1/5 160 kPa
Hourly wind pressure 1/10 0.42 kPa
Hourly wind pressure 1/30 0.55 kPa
Hourly wind pressure 1/50 0.61 kPa
Hourly wind pressure 1/100 0.71 kPa

Earthquake design requirements - National Building Code Interpolated seismic hazard values: 2% probability of exceedance in 50 years (0.000404 per annum)

Where Sa is Spectral Acceleration and T is the period in seconds

Sa (0.2)	Sa (0.5)	Sa (1.0)	Sa (2.0)	PGA (g)
0.869	0.610	0.324	0.169	0.422