

Part 18 – Climatic Data

18.1 Climatic data for the design of *buildings* in the *Regional District* shall be:

(1) Electoral Area A-Pender Harbour

DESIGN ELEMENT	VALUE
January 2 ½% design dry bulb temperature	-7 °C
January 1 % design dry bulb temperature	- 9 °C
July 2½ % design dry bulb temperature	25 °C
July 2½ % design wet bulb temperature	19 °C
Annual total degree-days below 18 °C	3,100
Maximum fifteen minute rainfall	6 mm
Maximum one day rainfall	63 mm
Annual total rainfall	1050mm
Moisture Index	1.18
Annual total precipitation	1,100 mm
Driving rain wind pressure, Pa, 1/5	160
Ground snow load, snow component S (s)	2.3 kPa
Ground snow load, rain component S ®	0.4 kPa
Hourly wind pressure, 1/10	0.36 kPa
Hourly wind pressure, 1/50	0.53 kPa

(2) Electoral Areas B and D --Halfmoon Bay and Robert's Creek

DESIGN ELEMENT	VALUE
January 2½ % design dry bulb temperature	-7 °C
January 1 % design dry bulb temperature	- 9 °C
July 2½ % design dry bulb temperature	25 °C
July 2½ % design wet bulb temperature	19 °C
Annual total degree-days below 18 °C	3,100
Maximum fifteen minute rainfall	6 mm
Maximum one day rainfall	63 mm
Annual total rainfall	1050mm
Moisture Index	1.18
Annual total precipitation	1,100 mm
Driving rain wind pressure, Pa 1/5	160
Ground snow load, snow component S (s)	2.1 kPa
Ground snow load, rain component S ®	0.4 kPa
Hourly wind pressure, 1/10	0.36 kPa
Hourly wind pressure, 1/50	0.53 kPa

(3) Electoral Area E- Elphinstone

DESIGN ELEMENT	VALUE
January 2½ % design dry bulb temperature	-7 °C
January 1 % design dry bulb temperature	-9 °C
July 2½ % design dry bulb temperature	25 °C
July 2½ % design wet bulb temperature	19 °C
Annual total degree-days below 18 °C	3,100
Maximum fifteen minute rainfall	6 mm
Maximum one day rainfall 1/50	74 mm
Annual total rainfall	1370 mm
Moisture Index	1.47
Annual total precipitation	1,500 mm
Driving rain wind pressure, Pa, 1/5	160
Ground snow load, snow component S (s)	2.4 kPa
Ground snow load, rain component S ®	0.4 kPa
Hourly wind pressure, 1/10	0.36 kPa
Hourly wind pressure, 1/50	0.53 kPa

(4) Electoral Area F- Howe Sound

DESIGN ELEMENT	VALUE
January 2½ % design dry bulb temperature	-8 °C
January 1 % design dry bulb temperature	-10 °C
July 2½ % design dry bulb temperature	26 °C
July 2½ % design wet bulb temperature	19 °C
Annual total degree-days below 18 °C	3,200
Maximum fifteen minute rainfall	8 mm
Maximum one day rainfall	268 mm
Annual total rainfall	3100 mm
Moisture Index	3.14
Annual total precipitation	3,300 mm
Driving rain wind pressure, Pa, 1/5	160
Ground snow load, snow component S (s)	3.4 kPa
Ground snow load, rain component S ®	0.4 kPa
Hourly wind pressure, 1/10	0.36 kPa
Hourly wind pressure, 1/50	0.53 kPa

Seismic Hazard (FOR ALL AREAS)

Sa(0.2)=0.850, Sa(0.5)=0.599, Sa(1.0)=0.321, Sa(2.0)+0.168, PGA=0.411

NOTES: The above data is for developed areas only. Outlying undeveloped areas may be addressed on a site specific basis. Frost protection is minimum .46 m (18") in all areas