



Environment Environnement
Canada Canada

Engineering Climate Services Unit
Environment and Climate Change Canada
4905 Dufferin Street
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Reference Number
CRD2623236 F-2623236

Our Contact
Ka-Hing Yau
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(416) 739-4446

February 4, 2022

8959-19 (DAAD/kh)

Mark Cranwell
Capital Regional District
625 Fisgard St.
PO Box 1000
Victoria, BC
V8W 2S6

Dear Mr. Cranwell:

Please find attached the climatic design data for the site(s) you requested. If you have any questions concerning the values, or if you require further design data, please do not hesitate to contact us by phone at 416-739-4365 or via e-mail at: ec.scg-ecs.ec@canada.ca

Yours sincerely,

Philip L. Jarrett

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Environment and Climate Change Canada
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Malahat, BC

Latitude: 48 ° 30 ' 32 " N

Longitude: 123 ° 33 ' 59 " W

Elevation (Metres): 320

Design element	Design value
January 2.5% design dry bulb temperature °C	-6
January 1% design dry bulb temperature °C	-8
July 2.5% design dry bulb temperature °C	28
July 2.5% design wet bulb temperature °C	18
Annual total degree days below 18 °C	3,020
Maximum 15 minute rainfall (mm)	10
Maximum one day rainfall (50 years) (mm)	150
Annual rainfall (mm)	1,450
Annual total precipitation (mm)	1,500
Moisture Index	1.55
Driving Rain wind pressure 1/5 years (Pa)	240
Ground snow load, snow component S _s (30 years) (kPa)	
Ground snow load, rain component S _r (30 years) (kPa)	
Ground snow load, snow component S _s (50 years) (kPa)	3.4
Ground snow load, rain component S _r (50 years) (kPa)	0.6
Hourly wind pressure 1/10 (kPa)	0.31
Hourly wind pressure 1/30 years (kPa)	
Hourly wind pressure 1/50 years (kPa)	0.40
Hourly wind pressure 1/100 years (kPa)	

Please note that the recommended values may differ from the legal requirements established by the municipal or provincial (territorial) building authorities. The design values may have been interpolated from calculated values at surrounding locations with subjective modification. Topographic effects may introduce local variations in the design values. Environment Canada has not made and does not make any representation or warranties, either expressed or implied, arising by law or otherwise, respecting the accuracy of climatic information. In no event will Environment Canada be responsible for any prejudice, loss or damage which may occur as the result of the use of climatic information.

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