

DISTRICT OF KITIMAT
Climatic Data

BUILDING INSPECTION DEPARTMENT
Ph. 250-632-8900 Fax: 250-632-4995

NOTICE TO BUILDERS AND DESIGNERS2018 B.C. BUILDING CODE CLIMATIC AND SEISMIC DESIGN INFORMATION FOR
BUILDING DESIGN IN KITIMAT

Effective immediately the following climatic and seismic information shall be used for building design in Kitimat.

Climatic Design Data (Division B Appendix C Table C-2)

1. January 2.5% Design Temp.	-16°C	Kitimat Townsite and Kitimat Plant
2. January 1% Design Temp.	-18°C	Kitimat Townsite and Kitimat Plant
3. July 2-5% Design Drybulb Temp.	24°C	Kitimat Townsite
	25°C	Kitimat Plant
4. July 2-5% Design Wetbulb Temp.	16°C	Kitimat Townsite and Kitimat Plant
5. Annual Total Degree-days below 18°C	3900	Kitimat Townsite
	3750	Kitimat Plant
6. Maximum 15 Minute Rainfall	13 mm	Kitimat Townsite and Kitimat Plant
7. Frost Penetration in District of Kitimat	1200 mm (minimum)	
8. Maximum 1 Day Rainfall	171 mm	Kitimat Townsite
	193 mm	Kitimat Plant
9. Annual Total Precipitation	1900 mm	Kitimat Townsite
	2100 mm	Kitimat Plant
10. Ground Snow Load	Kitimat Townsite	Ss= 6.5KPa Sr=0.8KPa
	Kitimat Plant	Ss= 5.5KPa Sr+0.8KPa
11. Wind Effects	Probability 1/10	0.37KPa Kitimat Townsite and Kitimat
Plant	Probability 1/50	0.48KPa Kitimat Townsite and Kitimat
	Plant	

Seismic Design Data (Division B Appendix C Table C-3)

12. Seismic Data:	Sa (0.2)	0.161
	Sa (0.5)	0.167
	Sa (1.0)	0.137
	Sa (2.0)	0.096
	Sa (5.0)	0.036
	Sa (10.0)	0.012
	PGA	0.080
	PGV	0.224

Alex Ramos-Espinoza, P. Eng.
Municipal Engineer

Date 13 March 2019