



MANITOBA GROUND SNOW LOAD INFORMATION

National Building Code of Canada 2010 & Manitoba Building Code 2011

<u>Snow Load Groups</u>	1/50 Ground Snow Load Ss (kPa)	1/50 Rain Load Sr (kPa)
Group A Includes Beausejour, Dauphin, Gimli, Lac du Bonnet, Pine Falls, Selkirk & Winnipeg	1.9	0.2
Group B Includes Steinbach, Swan River & Virden	2.0	0.2
Group C Includes Brandon, Portage la Prairie, Rivers & The Pas	2.1	0.2
Group D Includes Boissevain, Flin Flon, Grand Rapids, Morden, Neepawa & Sandilands	2.2	0.2
Group E	2.3	0.2
Group F Includes Lynn Lake & Thompson	2.4	0.2
Group G Includes Split Lake	2.5	0.2
Group H Includes Island Lake	2.6	0.2
Group I	2.7	0.2
Group J Includes Churchill	2.8	0.2

<u>Rural Municipality or Local Government District</u>	<u>Group</u>	<u>Ss (kPa)</u>	<u>Sr (kPa)</u>
Albert	B	2.0	0.2
Alexander	A	1.9	0.2
Alonsa	D	2.2	0.2
Archie	C	2.1	0.2
Argyle	E	2.3	0.2
Armstrong	C	2.1	0.2
Arthur	B	2.0	0.2
Bifrost	B	2.0	0.2
Birtle	D	2.2	0.2
Blanshard	E	2.3	0.2
Brenda	C	2.1	0.2
Brokenhead	A	1.9	0.2
Cameron	B	2.0	0.2
Cartier	B	2.0	0.2
Clanwilliam	F	2.4	0.2
Coldwell	D	2.2	0.2
Cornwallis	C	2.1	0.2
Daly	D	2.2	0.2
Dauphin	B	2.0	0.2
De Salaberry	B	2.0	0.2
Dufferin	C	2.1	0.2
East St. Paul	A	1.9	0.2
Edward	B	2.0	0.2
Ellice	C	2.1	0.2
Elton	E	2.3	0.2
Eriksdale	D	2.2	0.2
Ethelbert	C	2.1	0.2
Fisher	C	2.1	0.2
Franklin	B	2.0	0.2
Gilbert Plains	D	2.2	0.2
Gimli	B	2.0	0.2
Glenella	D	2.2	0.2
Glenwood	B	2.0	0.2
Grahamdale	D	2.2	0.2
Grandview	E	2.3	0.2
Grand Rapids	D	2.2	0.2
Grey	D	2.2	0.2
Hamiota	D	2.2	0.2
Hanover	B	2.0	0.2
Harrison	F	2.4	0.2

<u>Rural Municipality or Local Government District</u>	<u>Group</u>	<u>Ss (kPa)</u>	<u>Sr (kPa)</u>
Headingley	A	1.9	0.2
Hillsburg	G	2.5	0.2
Kelsey	C	2.1	0.2
Labroquerie	C	2.1	0.2
Lac du Bonnet	A	1.9	0.2
Lakeview	E	2.3	0.2
Langford	E	2.3	0.2
Lansdowne	D	2.2	0.2
Lawrence	C	2.1	0.2
Lorne	E	2.3	0.2
Louise	E	2.3	0.2
Macdonald	A	1.9	0.2
McCreary	C	2.1	0.2
Miniota	C	2.1	0.2
Minitonas	F	2.4	0.2
Minto	F	2.4	0.2
Montcalm	B	2.0	0.2
Morris	B	2.0	0.2
Morton	D	2.2	0.2
Mossey River	B	2.0	0.2
Mountain (North)	C	2.1	0.2
Mountain (South)	C	2.1	0.2
Mystery Lake	F	2.4	0.2
North Cypress	E	2.3	0.2
North Norfolk	D	2.2	0.2
Oakland	C	2.1	0.2
Ochre River	C	2.1	0.2
Odanah	F	2.4	0.2
Park (North)	G	2.5	0.2
Park (South)	G	2.5	0.2
Pembina	F	2.4	0.2
Pinawa	C	2.1	0.2
Piney	D	2.2	0.2
Pipestone	B	2.0	0.2
Portage la Prairie	C	2.1	0.2
Reynolds	C	2.1	0.2
Rhineland	B	2.0	0.2
Ritchot	A	1.9	0.2
Riverside	D	2.2	0.2
Roblin	E	2.3	0.2

<u>Rural Municipality or Local Government District</u>	<u>Group</u>	<u>Ss (kPa)</u>	<u>Sr (kPa)</u>
Rockwood	A	1.9	0.2
Roland	B	2.0	0.2
Rosedale	G	2.5	0.2
Rosburn	G	2.5	0.2
Rosser	A	1.9	0.2
Russell	C	2.1	0.2
St. Andrews	A	1.9	0.2
Ste. Anne	C	2.1	0.2
St. Clements	A	1.9	0.2
St. Francis	B	2.0	0.2
St. Laurent	C	2.1	0.2
Ste. Rose	C	2.1	0.2
Saskatchewan	E	2.3	0.2
Shell River	F	2.4	0.2
Shellmouth - Boulton	E	2.3	0.2
Shoal Lake	E	2.3	0.2
Sifton	A	1.9	0.2
Siglunes	D	2.2	0.2
Silver Creek	D	2.2	0.2
South Cypress	D	2.2	0.2
South Norfolk	E	2.3	0.2
Springfield	A	1.9	0.2
Stanley	D	2.2	0.2
Strathclair	E	2.3	0.2
Strathcona	D	2.2	0.2
Stuartburn	C	2.1	0.2
Swan River	G	2.5	0.2
Tache	B	2.0	0.2
Thompson	F	2.4	0.2
Turtle Mountain	E	2.3	0.2
Victoria	C	2.1	0.2
Victoria Beach	A	1.9	0.2
Wallace	C	2.1	0.2
Westbourne	E	2.3	0.2
West St. Paul	A	1.9	0.2
Whitehead	C	2.1	0.2
Whitemouth	C	2.1	0.2
Whitewater	C	2.1	0.2
Winchester	D	2.2	0.2
Woodlands	B	2.0	0.2
Woodworth	B	2.0	0.2

Notes:

Ss and Sr are to be used in conjunction with equations in NBCC 2010 sections 4.1.6.2 and 9.4.2.2

Load values for communities listed on page 1 were obtained from NBCC 2010 - Division B - Appendix C - "Climatic and Seismic Information for Building Design in Canada" - Table C-2.

Recommended climatic design values for locations not listed can be obtained by contacting the Information Services Section, Environment Canada, 4905 Dufferin Street, Downsview, ON, M3H 5T4
e-mail: climate.services@ec.gc.ca

To provide reasonable design load values for locations not listed, ground snow loads for RMs and LGDs on pages 2 to 4 were obtained by interpolating values between normalized snow load contours at 1-in-50 occurrence probability and combining with an elevation component also interpolated for location.

RM and LGD boundary maps can be found at www.communityprofiles.mb.ca

These values are recommendations only, and are subject to approval by the building designer, project engineer, and the authority having jurisdiction.