Southwest
New Brunswick
Service Commission

Snow loads

Snow load calculations are part of a lot of structural building Code calculations. But what are the snow loads in our region?

The National Building Code has a fairly simple calculation to figure out a region's snow load, based on snow weight and rainfall for specific communities.

In our region, there is climactic data for St. George, Saint Andrews and St. Stephen. There is no data for the villages of Harvey or McAdam, so we use Fredericton data, which might be a little more than what is actually experienced, but errs on the side of caution.

Truss/Rafter span <4.3 m (14'1")		
	Snowload (Kpa)	PSI
St. Stephen	1.91	39.8
Saint Andrews	1.86	38.8
St. George	1.86	38.8
McAdam	2.00	41.6
Musquash	1.64	34.1
Truss/Rafter span >4.3 m (14'1")		
Snow load calculator	Snowload (Kpa)	PSI
St. Stephen	2.2	46
Saint Andrews	2.1	45
St. George	2.1	45
McAdam	2.3	49
Musquash	1.9	38

NOTE: A general rule of thumb: if a table or calculation reveals a result that just meets Code, there's never any harm in moving to the next more robust system/spacing/lumber size.