

Hailey Vicinity Snow and Water Levels

Information taken from:

www.wcc.nrcs.usda.gov/snotel/Idaho/idaho.htmlUT

Date	Snow Water Equivalent	Current Roof Snow Load
1-Jan-17	5.7 inches	29.64 lbs. per sq. ft.
2-Jan-17	5.9 inches	30.68 lbs. per sq. ft.
3-Jan-17	6 inches	31.20 lbs. per sq. ft.
4-Jan-17	6.3 inches	32.76 lbs. per sq. ft.
5-Jan-17	6.1 inches	31.72 lbs. per sq. ft.
6-Jan-17	6 inches	31.20 lbs. per sq. ft.
7-Jan-17	6.6 inches	34.32 lbs. per sq. ft.
8-Jan-17	7.9 inches	41.08 lbs. per sq. ft.
9-Jan-17	8.4 inches	43.68 lbs. per sq. ft.
10-Jan-17	8.6 inches	44.72 lbs. per sq. ft.
11-Jan-17	9.7 inches	50.44 lbs. per sq. ft.
19-Jan-17	10.30 inches	53.56 lbs. per sq. ft.
22-Jan-17	10.90 inches	56.68 lbs. per sq. ft.
30-Jan-17	10.90 inches	56.68 lbs. per sq. ft.
2-Feb-17	12.8 inches	66.56 lbs. per sq. ft.
9-Feb-17	15.20 inches	79.04 lbs. per sq. ft.
13-Mar-17	20.30 inches	105.56 lbs. per sq. ft.

Comments:

- 1) Since there are no NRCS Stations located in Hailey, the values in the table above are mean values calculated from the Chocolate Gulch Ranger Station.
- 2) Formula used in the above calculation is SWE (inches) X 5.2 (conversion factor) = Snow Load lbs. per square foot.
- 3) Today's buildings in Hailey are constructed to withstand a minimum of 100 lb. snow load. Older Structures (pre 1977) could have a roof system design where snow loads range from 40 lbs. to 80 lbs. depending on their age and quality of construction.
- 4) Older flat roofed structures are at greater risk and it is strongly advised that those roofs be shoveled when loads reach 60 lbs. per square foot.