

# GNFAC Avalanche Forecast for Sat Jan 7, 2023

Good morning. This is Ian Hoyer with the Gallatin National Forest Avalanche Forecast on Saturday, January 7th at 7:00 a.m. This information is sponsored by [Gallatin Valley Snowmobile Association](#), [Yellowstone Ski Tours](#) and [Advanced Innovation](#). This forecast does not apply to operating ski areas.

## Mountain Weather

There is no new snow. Winds are 10-15 mph out of the southwest and west with gusts of 15-30 mph. Temperatures are in the teens and 20s F. High temperatures will be in the 20s and low 30s F. Light to moderate southwest and west winds will continue. Skies will be generally sunny, except around West Yellowstone where it will be mostly cloudy. No new snow is expected.

## Snowpack and Avalanche Discussion



[Bridger Range](#) [Gallatin Range](#) [Madison Range](#) [Lionhead Range](#) [Cooke City](#)

You can trigger an avalanche today under a fresh wind drift or on weak layers buried throughout the snowpack. Yesterday, a large avalanche broke naturally on Saddle Peak, running over the cliffs and burying a rider that was in the runout zone up to their neck in debris ([details](#)). We believe this slide broke in the freshly wind drifted snow, but the new snow is also loading and stressing the weak layers that caused Doug to retreat off Saddle Peak last Tuesday ([video](#)). Yesterday during avalanche mitigation work, Big Sky Ski Patrol found reactive 6-8" deep slabs of newly wind drifted snow and my partner and I got cracking around our skies in the northern Bridgers ([photo](#)), showing that these drifts aren't an isolated concern. Look for cracks shooting in front of your skis or sled as a sign that these drifts remain unstable.

Avalanches could also break on the assortment of weak layers throughout the snowpack, including weak snow near the ground. These weak layers are not consistently breaking in snowpack tests and are hard to assess, so toning down your terrain choices is your best mitigation strategy. Be particularly wary of shallow spots as this is where many of the recent slides on these layers have been triggered ([photo](#)). Last weekend's fatal avalanche that broke near the ground should provide good motivation to take these layers seriously ([accident report](#)).

Additionally, yesterday, I triggered a very small (15 ft wide), shallow (4" deep) avalanche on a short, steep, sheltered slope in the northern Bridgers ([details](#)). This slide broke on the surface hoar that formed widely across the advisory area. There likely aren't many slopes that have both a slab thick enough to be worrisome and a preserved surface hoar layer, but it is worth watching out for this combination.

Human triggered avalanches are possible and the avalanche danger is [MODERATE](#).

Please share avalanche, snowpack or weather observations via our [website](#), email ([mtavalanche@gmail.com](mailto:mtavalanche@gmail.com)), phone (406-587-6984), or Instagram ([#gnfacobs](#)).



[Island Park](#)

In Island Park, you can trigger an avalanche today under a fresh wind drift or on weak layers buried throughout the snowpack. Look for cracks shooting in front of your skis or sled as a sign that drifts remain unstable. Be wary of shallow spots as this is where many of the recent slides on the deeper weak layers have been triggered. Weak layers are not consistently breaking in snowpack tests and are hard to assess, so toning down your terrain choices is your best mitigation strategy.

## Upcoming Avalanche Education and Events

Our education calendar is full of awareness lectures and field courses. Check it out: [Events and Education Calendar](#).

Tuesday, January 10th, 6PM, Women's Specific Avalanche Awareness + Beacon Practice at Story Mill Park in Bozeman. Free.

Thursday, Jan 12th, 6:30 PM, 1hr avalanche awareness for mechanized users at BSCO BASE in Big Sky. Free.

Every Saturday, 10 a.m. - 2:00 p.m. ***Avalanche Rescue Training***, drop in for any amount of time. Round Lake Warming Hut, Cooke City. Free.

[\*\*\*Loss in the Outdoors\*\*\*](#), is a support group for those who have been affected by grief and loss related to outdoor pursuits. Check out the link for more information.