

## [GNFAC Avalanche Forecast for Tue Feb 2, 2021](#)

Good Morning. This is Dave Zinn with the Gallatin National Forest Avalanche Forecast on Tuesday, February 2<sup>nd</sup> at 7:15 a.m. Today's forecast is sponsored by [Knoff Group Real Estate](#) and [Beartooth Powder Guides](#). This forecast does not apply to operating ski areas.

### Mountain Weather

This morning mountain temperatures are in the upper-20s to 30 F and the wind is blowing 15-20 mph from the southwest. Today, high temperatures will be in the upper-20s to 40 F with winds increasing from the southwest to 20-30 mph. Snow returns tonight and the mountains will receive 2-4" of new snow by morning.

### Snowpack and Avalanche Discussion



[Southern Madison](#)   [Southern Gallatin](#)   [Lionhead Range](#)   [Island Park](#)

Lionhead and the Southern Gallatin and Southern Madison Ranges received two feet of snow last week (1.5-2.2" of [snow water equivalent-SWE](#)) and subsequently experienced a significant avalanche cycle. Yesterday, riders near Targhee Peak triggered an avalanche from off to the side that failed near the ground ([details and photos](#)). At Lionhead, Doug noted that there were "LOTS of avalanches" on all aspects and elevations and we are still worried about human-triggered slides ([video](#), [photos page](#)). I toured to Ernie Miller Ridge to look a 1500' wide, human-triggered avalanche that failed on sugary snow near the ground ([video](#)). We experienced some collapsing but the weak layers are adjusting and the sensitivity to triggering is decreasing.

Give this year's weak snowpack more time to adjust before entering steep terrain and avoid slopes where increasing winds create fresh drifts. Utilize careful route-finding along with a conservative mindset today. Human-triggered avalanches are possible and the danger is [MODERATE](#).



[Cooke City](#)

During and immediately following last week's snow in Cooke City, many natural and human-triggered avalanches broke in at the interface between the old snow and the new snow on a thin layer of weak facets 1-2' deep ([details](#), [photo](#), [photo](#)). Other avalanches failed on a stripe of surface hoar or weak facets buried 3' deep ([details and photo](#), [photo](#)). Doug provides an explanation of these layers in his [video](#) from last week. Today, increasing winds will create fresh drifts of snow that will avalanche under the weight of a rider or skier. Recognize and avoid these areas by watching for plumes of blowing snow, feeling for harder or packed snow at the surface and noticing shooting cracks from your skis or sled.

Safe travel through and around avalanche terrain requires a thorough snowpack assessment and dialing back objectives if you notice any signs of instability such as recent avalanche activity, collapsing, or cracking. Human-triggered avalanches are possible and the danger is rated [MODERATE](#).



## Bridger Range Northern Gallatin Northern Madison

Snow early last weekend in the Northern Gallatin, Northern Madison and Bridger Ranges primarily resulted in avalanches within the 7-11” of new snow such as slab avalanches observed in Beehive Basin and loose snow avalanches in Hyalite and the Bridger Range ([photo](#), [video](#), [details and photos](#)). Some avalanches, like those near Maid of the Mist in Hyalite and in Dudley Creek near Big Sky, broke deeper in the snowpack on buried weak layers ([photo](#), [photo](#)). Today, avoid fresh drifts of snow created by increasing winds and carefully look for signs of instability as a reason to dial back objectives for the day. Human-triggered avalanches most likely within the top foot of the snowpack and the avalanche danger is [MODERATE](#).

If you get out, please send us your observations no matter how brief. You can submit them via our [website](#), email ([mtavalanche@gmail.com](mailto:mtavalanche@gmail.com)), phone (406-587-6984), or Instagram (#gnfacobs).

### King and Queen Fundraiser

**February 6<sup>th</sup> and 7<sup>th</sup>**, Saturday and Sunday, at Bridger Bowl. Due to the pandemic it is a GS race this year. Prizes will be awarded for the fastest race results AND separate prizes for folks who raise the most money over \$500. *No racing is necessary to compete for the fundraising prizes.* Info is [HERE](#).

### Upcoming Avalanche Education and Events

See our [education calendar](#) for an up-to-date list of all local classes. Here are a few select upcoming events and opportunities to check out:

**Every Saturday in Cooke City**, FREE snowpack update and rescue practice at the Round Lake Warming Hut between 10 a.m. and 3 p.m. [Poster with More Info](#).

**February 5 and 6**, Women's Companion Rescue Clinic with SheJumps. [Registration HERE](#).

**February 19 and 20**, Companion Rescue Clinic. [Registration HERE](#).

**February 26 and 27**, Women's Companion Rescue Clinic with SheJumps. [Registration HERE](#).