

# **GNFAC Avalanche Forecast for Mon Feb 1, 2021**

Good Morning. This is Dave Zinn with the Gallatin National Forest Avalanche Forecast on Monday, February 1<sup>st</sup> at 7:15 a.m. Today's forecast is sponsored by [Montana Chevy Dealers](#) and [Highline Partners](#). This forecast does not apply to operating ski areas.

## Mountain Weather

Mountain temperatures this morning range from the mid-teens to mid-20s F with 15-20 mph winds blowing from the south to west. Today, temperatures will peak in the mid-30s to low 40s F with 10-15 mph winds from the south to southwest. Snow and colder temperatures will return mid-week.

## Snowpack and Avalanche Discussion



**Southern Madison   Southern Gallatin   Lionhead Range   Island Park**

Many natural and human-triggered avalanches broke deep within the snowpack at Lionhead and in the Southern Madison and Southern Gallatin Ranges when 18-26" of snow equal to 1.5-2.2" of [snow water equivalent](#) (SWE) loaded a weak snowpack from Wednesday night through Saturday. Yesterday, while riding in the Taylor Fork, Alex and I saw many recent avalanches, including one that was approximately a quarter-mile wide ([video](#), [photo](#)). On Saturday, a pair of skiers triggered a very large avalanche from a long distance away near Bacon Rind ([photos and details](#)). Others in the Southern Gallatin Range experienced large collapses that rippled out and knocked the snow from the trees ([photos and details](#)).

Avalanches failed on a layer of weak surface hoar buried 1-2 feet deep and on sugary depth hoar near the ground. Both of these layers will take time to adjust to the weight of recent snow. Careful route finding and snowpack assessment along with a conservative mindset are the best tools when dealing with a snowpack containing multiple persistent weak layers. Large, human-triggered avalanches are possible and the danger is [MODERATE](#).



**Cooke City**

Cooke City received 12-18" of low-density snow (0.9" SWE) Thursday to Saturday and many natural and skier-triggered avalanches broke at the interface between the old surface snow and the new snow, some from a long distance away ([details](#), [photo](#), [photo](#)). Other avalanches failed deeply on weak layers buried around 3 feet deep including a large avalanche on the Fin and another northwest of Cooke City ([details and photo](#), [photo](#)). Doug described the two weak layers now buried 1 foot deep and 2-3 feet deep that are responsible for these avalanches in his video from last week ([video](#)).

Utilize a careful snowpack assessment along with cautious route-finding and a conservative mindset today. Signs of instability such as recent avalanche activity, collapsing, or cracking in the snowpack are reasons to abandon plans to enter avalanche terrain. Human-triggered avalanches are possible and the danger is [MODERATE](#).



## Bridger Range Northern Gallatin Northern Madison

Friday night into Saturday, the mountains around Big Sky and Bozeman received 7-11" of snow equal to 0.5-0.7" snow water equivalent (SWE). Saturday, skiers near Maid of the Mist saw a large slab avalanche ([photo](#)) while Doug and others observed many natural loose snow avalanches running fast and far on a weak layer of near-surface facets ([video](#), [details and photos](#)). Skiers in Beehive Basin saw multiple slab avalanches that took out the new snow ([photo](#)) and a skier nearby in Dudley Creek triggered a new snow avalanche that subsequently stepped down onto deeply buried weak layers ([photo](#)). Avalanches below the new and wind-drifted snow are the primary concern today and the danger is rated [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](#).