

## GNFAC Avalanche Forecast for Thu Feb 18, 2021

Good Morning. This is Doug Chabot with the Gallatin National Forest Avalanche Forecast on Thursday, February 18<sup>th</sup> at 7:15 a.m. Today's forecast is sponsored by [Grizzly Outfitters](#) and [Montana Chevy Dealers](#). This forecast does not apply to operating ski areas.

### Mountain Weather

In the last 24 hours the mountains around Bozeman and Big Sky picked up 4-5", most of it falling last night while everywhere else remained dry. Temperatures are in the low single digits F and wind is light at 10-20 mph out of the west to northwest. Today will become partly cloudy and mountain temperatures will rise into the low 20s F. A southwest flow will drop 1-2" in the mountains tonight with light snowfall continuing Friday and Saturday.

### Snowpack and Avalanche Discussion



**Bridger Range** **Gallatin Range** **Madison Range**

*The Avalanche Warning has expired.*

"Wallow" was yesterday's word of the day in the northern ranges. The storm ended in the morning and the 3 day total was 2-3 feet of snow around Bozeman and Big Sky and 1 ½ feet in the southern Madison and southern Gallatin Ranges. It was so deep that skiers complained it was hard to move on low angled terrain, which was not the case for those with a throttle. Weak, sugary snow at the ground is our primary weak layer and it needs time to adjust to the new load of snow (1.5-2.5" [snow water equivalent](#)-SWE). Yesterday, Ian and his partner porpoised their sleds up the Fairy Lake Road in the Bridger Range and then toured on skis. They did not see large slides, but stayed clear of avalanche terrain because of the Avalanche Warning ([video](#)).

In the southern part of the Madison and Gallatin Ranges the snowpack structure mirrors the north with weak snow near the ground. Last week in both areas we had human triggered avalanches resulting in 2 close calls ([Cabin Creek](#), [Portal Creek](#)) and one death ([Beehive Basin](#)). The weight of the new snow will keep the avalanche danger elevated. Throughout the Bridger, Gallatin and Madison Ranges, triggering slides is likely. Be patient and allow the snowpack to adjust to the new load. A safe strategy is to avoid avalanche terrain (more than 30 degrees steep) because the avalanche danger is rated [CONSIDERABLE](#) on all slopes.



**Lionhead Range** **Cooke City** **Island Park**

The mountains around Cooke City and West Yellowstone did not get any snow last night but have received 9" since the beginning of the week. Strong west to northwest wind Monday and Tuesday loaded slopes near the ridgelines. Dave is in Cooke City and got a good look around and dug a couple snowpits. He found two avalanche concerns: wind drifted snow near the ridgelines and thinner snow at high elevations where avalanches can release from (i.e. starting zones). He saw one wind slab that broke on Fisher Mountain ([photo](#)) and made a [video](#) explaining that triggering small slides is possible in specific locations. The same stability exists in

Lionhead, however, the weak snow near the ground is more widespread. For today the avalanche danger is rated [MODERATE](#) on all slopes.

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).

## **BEEHIVE BASIN AVALANCHE ACCIDENT REPORT**

We posted a detailed report from Sunday's fatal avalanche in Beehive Basin [here](#).

The video of our accident investigation from the field 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 22, 6-7 p.m.**, Forecaster Chat: Rethinking Avalanche Terrain from a Strategic Perspective, Hosted online by Uphill Pursuits, [Link to Join HERE](#)