

## GNFAC Avalanche Forecast for Thu Dec 12, 2019

Good Morning. This is Doug Chabot with the Gallatin National Forest Avalanche Forecast on Thursday, December 12<sup>th</sup> at 7:00 a.m. Today's forecast is sponsored by [World Boards](#) and the [Yellowstone Club Community Foundation](#). This forecast does not apply to operating ski areas.

### Mountain Weather

At 6 a.m. there is 1-2" of new snow in the north and 3-4" in the south. West to southwest wind is averaging 15-20 mph and gusting to 40 mph and temperatures are in the high teens to low twenties. Snow will continue this morning with another round tonight. By tomorrow morning the northern mountains will have 3-6" and 6-8" in the south. Today, wind will remain westerly at 20-30 mph and temperatures will rise into the low 20s and drop to the low teens tonight.

### Snowpack and Avalanche Discussion



Madison Range   Southern Gallatin   Lionhead Range   Island Park

On a spectrum of weak snow, the Lionhead area is the worst we have. Dave found half of the 3 foot deep snowpack consisting of loose, sugary snow (facets) that broke easily in stability tests ([video](#)). Further north around Bacon Rind and Taylor Fork it is not much better ([details](#)). Surrounding Big Sky the facet layer is not as thick, but it is showing signs of instability. The Yellowstone Club and Big Sky Ski Patrols are getting avalanches to break near the ground on these weak grains, which is relevant because their snowpack is similar to the backcountry.

Ian toured into Beehive Basin yesterday and found the snowpack to be stronger than expected. He saw no signs of instability, but was wary of extrapolating that to the entire northern Madison Range in light of the previous activity on Buck Ridge ([photo](#)) and ski areas. Today's snowfall and wind-loading will stress the snowpack and triggering a slide is likely. Avoiding avalanche terrain is a good strategy since the avalanche danger remains [CONSIDERABLE](#).



Cooke City

The mountains around Cooke City have 4" of new snow and moderate southwest wind. Wind drifts will be thick and easy to trigger today. Avalanches will break at the new and old snow interface, and on a few slopes they may break deeper on a thin layer of facets that Ian and I found on Monday ([video](#), [photo](#)). With a snowstorm underway, the likelihood of triggering slides has increased. Visibility is poor so be extra careful about traveling underneath avalanche paths. For today, the avalanche danger is rated [CONSIDERABLE](#) on slopes with wind-drifted snow and [MODERATE](#) on all others.



## Bridger Range

Today's new snow and wind will not help the stability in the Bridger Range. A foot under the snow surface is a layer of weak, faceted snow. Alex found a worrisome snow structure in his snowpit on Saddle Peak on Monday ([video](#)). Weak snow was underlying a hard, dense wind slab. Today's new snow and windy weather will make it possible to trigger slides on fresh wind-drifts and on slopes with the faceted weak layer. For today, the avalanche danger is rated [MODERATE](#).



## Northern Gallatin

In the northern Gallatin Range, skiers and ice climbers reported a lot of wind yesterday but not much snow moving. This will not be the case today. New snow last night and today will get blown into gullies and drifted at ridgelines. These fresh wind slabs will be possible to trigger. Cracks shooting out from your boots or skis is a sign to stay off the slope. For today, the avalanche danger is rated [MODERATE](#) on wind-loaded slopes and [LOW](#) on all others.

If you get out, please send us your observations no matter how brief. You can fill out an [observation form](#), email us ([mtavalanche@gmail.com](mailto:mtavalanche@gmail.com)), leave a VM at 406-587-6984, or Instagram ([#gnfacobs](#)).

## Upcoming Avalanche Education and Events

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

### BOZEMAN

**TONIGHT!!** December 12, **Avalanche Awareness + Beacon Practice**, 6-8 p.m. at Story Mill Community Center.

December 18, **1-hr Avalanche Awareness**, 6-7 p.m. at Uphill Pursuits.

### COOKE CITY

Every Friday and Saturday, **Snowpack Update and Rescue Training**. Friday, 6:30-7:30 p.m. at the Soda Butte Lodge. Saturday anytime between 10-2 @ Round Lake.

### BILLINGS

December 17, **1-hr Avalanche Awareness**, 6-7 p.m. Elevated Powersports.

### CHOTEAU

December 19, **1-hr Avalanche Awareness**, 7-8 p.m. at Choteau High School.