


# **GNFAC Avalanche Forecast for Fri Mar 1, 2019**

Good morning. This is Eric Knoff with the Gallatin National Forest Avalanche Forecast issued on Friday, March 1<sup>st</sup> at 7:00 a.m. Today's forecast is sponsored by [Community Food Co-op](#) and [Lawson Dental](#). This forecast does not apply to operating ski areas.



The Gallatin National Forest Avalanche Center is continuing a Backcountry Avalanche Warning for the Southern Gallatin and Southern Madison Ranges, the Lionhead area near West Yellowstone, the Centennial Range, and the mountains around Cooke City. Heavy snowfall and strong wind are creating very dangerous avalanche conditions. Natural and human triggered avalanches are likely. Avalanche terrain and avalanche runout zones should be avoided. The avalanche  is rated **HIGH** on all slopes.

## **AVALANCHE FATALITY**

On Tuesday, a solo skier was killed in an avalanche on the west side of the Bridger Range in Truman Gulch. Here is a 4-minute video outlining the circumstances of the fatal accident: [video](#). A full written report will be released later today.

## **Mountain Weather**

Over the past 24 hours the mountains picked up 4-7" of new snow. At 5 a.m. snow has tapered off and skies are beginning to clear. Temps are in the single digits F and winds are blowing 15-35 mph out of the west-northwest. Today, skies remain partly to mostly cloudy and temps warm into the teens. Winds will continue to blow 15-30 mph out of the west-northwest. The mountains could see 1-2" of snow tonight, but snowmageddon appears to be letting up for the next few days.

## **Snowpack and Avalanche Discussion**



**Southern  
Madison**

**Southern  
Gallatin**

**Lionhead  
Range**

**Cooke  
City**

**Island  
Park**

## **Avalanche Warning**

The snowpack in these areas is heavily loaded and remains under a significant amount of stress. Over the past week, the mountains near Cooke City, West Yellowstone, including the Southern Madison and Gallatin Ranges - have received 4-6' of snow totaling 4-7" of SWE. This is an insane amount of snow and water weight!

Every structure has a breaking point and the snowpack is no different ([video](#)). Today, natural and human triggered avalanches are likely on all steep slopes. A large natural avalanche that crossed Hwy 287 near Quake Lake yesterday is a perfect example of what's possible today ([photo](#)). Slides will break deeper and run farther than expected. Under these conditions it's very easy to get surprised.

Traveling in the backcountry today requires expert terrain management. It's imperative that all backcountry travelers stay off and out from underneath all steep slopes ([photo](#)). This includes small terrain features such as road cuts, roll overs and creek bottoms.

Today, very dangerous avalanche conditions exist and the avalanche danger is rated [HIGH](#).



## Bridger Range Northern Gallatin Northern Madison

The mountains near Bozeman and Big Sky have picked up 2-3' of snow totaling 2-3" of SWE over the past week. This hasn't been quite enough load to create a widespread avalanche cycle, but it has pushed the snowpack near its breaking point.

Wind loaded slopes will be the most unstable and could fail naturally today ([video](#)). The avalanche fatality two days ago in the Bridger Range is a sad reminder of how unstable wind loaded slopes can be ([details](#), [photos](#)). A skier triggered slide two days ago on a wind loaded slope near Big Sky is also bull's eye information wind loaded slopes are unstable ([photo](#))

Non-wind loaded slopes are also getting pushed to a dangerous level by the heavy new snow. Yesterday, skiers on the Throne in the northern Bridgers observed recent avalanche activity in the new snow and got unstable test results on a weak interface a foot below the surface ([photo](#)). Today, human triggered slides breaking 1-2' in depth on non-wind loaded slopes are likely.

For this reason the avalanche danger is rated [CONSIDERABLE](#) on all slopes.

If you get out and have any avalanche or snowpack observations to share, contact us via our [website](#), email ([mtavalanche@gmail.com](mailto:mtavalanche@gmail.com)), phone (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: [Events and Education Calendar](#).

### BOZEMAN

**Today**, March 2 and 3, **Bozeman Split Fest**, More info at [www.bozemansplitfest.com](http://www.bozemansplitfest.com).

March 6, **1-hr Avalanche Awareness**, 6-7 p.m. at REI Bozeman.

### COOKE CITY

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