

## **GNFAC Avalanche Forecast for Tue Dec 26, 2017**

Good Morning. This is Doug Chabot with the Gallatin National Forest Avalanche Advisory issued on Tuesday, December 26<sup>th</sup> at 7:15 a.m. Today's advisory is sponsored by [Montana Ale Works](#) and [Montana State Parks](#). This advisory does not apply to operating ski areas.

### Mountain Weather

In the last 24 hours the northern mountains picked up 7-9" of new snow, Cooke City has 6" and 3" fell around West Yellowstone and the southern Madison Range. Winds are averaging 20 mph from the W-NW with gusts of 50 mph around Big Sky. Mountain temperatures are in the low single digits and will rise into the mid-teens today. Other than a few flurries this morning, today will become sunny and then cloud up tonight with decreasing, 10-20 mph west winds.

### Snowpack and Avalanche Discussion



**Bridger Range   Gallatin Range   Madison Range   Lionhead Range   Cooke City**

Yesterday's 7-9" of snow in the northern ranges and 3-6" of snow in the south will be blown into drifts from last night and this morning's windy conditions. These drifts can be triggered today. Yesterday, skiers to the west of Cooke City triggered an avalanche (no one was caught) that broke under new, windblown snow ([photo1](#), [photo2](#)) and another skier south of Cooke City found similar instability ([photo](#)). Ridgetop winds have been westerly, but wind-loading may occur on many aspects since blowing snow does not always behave in an orderly way.

On some slopes it is possible to trigger an avalanche on a weak layer of facets buried 2-3 feet deep. I found this on Buck Ridge on Sunday ([video](#)) and saw one avalanche on a wind-loaded slope to the south ([photo](#)). Overall instabilities are not widespread and will not last long, which Eric noted in Taylor Fork ([video](#)) and Alex found in Cooke City ([video](#)). These facets are notably weaker in Lionhead, Bacon Rind ([photo](#)), the west side of the Bridger Range, and low elevation slopes; generally any area with a shallow snowpack.

Three steps to stay safe:

1. Get caught up on all our recent [photos](#) and [videos](#) because seeing is believing.
2. Stay clear of wind-loaded slopes since avalanches are likely to be triggered. Cracking or collapsing are signs of dangerous conditions.
3. Dig 2-3' deep to an ice layer that formed over Thanksgiving (you can't miss it) and do a stability test. A clean break indicates instability.

For today, the avalanche danger is rated **[CONSIDERABLE](#)** on all wind-loaded slopes and **[MODERATE](#)** on all others.

If you get out and have any avalanche or snowpack observations to share, drop a line via our [website](#), email ([mtavalanche@gmail.com](mailto:mtavalanche@gmail.com)), phone (406-587-6984), or Instagram ([#gnfacobs](#)).

## Upcoming Avalanche Education and Events

### Events and Education Calendar

#### BOZEMAN

Jan. 3, **Avalanche Awareness**, 6-7 p.m. at REI Bozeman

Jan. 12 and 13, **Companion Rescue Clinic**, [Info and Register](#)

Jan. 17, 18 and 20 or 21, **Introduction to Avalanches w/ Field Day**, [Info and Register Here](#)

Jan. 24, 25 and 27, **Advanced Avalanche Workshop w. Field Day**, [Info and Register Here](#)

Feb. 9 and 10, **Companion Rescue Clinic**, [Info and Register](#)

#### WEST YELLOWSTONE

Jan. 6, **Avalanche Awareness**, 7-8 p.m. at West Yellowstone Holiday Inn Conference Center

#### BIG TIMBER

Jan. 11, **Avalanche Awareness**, 6-7 p.m. at Sweet Grass County High School

#### BUTTE

Jan. 13, **Rescue Clinic**, 10 a.m. at Homestake Lodge

#### Dillon

Jan. 16, **Avalanche Awareness**, 6:30-8 p.m. at U.M. Western Library

#### COOKE CITY

Every Friday and Saturday, **Current Conditions Update and Avalanche Rescue**, Friday 6:30-7:30 p.m. at Super 8 this week, and Antler's Lodge in January. Saturday anytime between 10-2 @ Lulu Pass road.