

# **GNFAC Avalanche Advisory for Wed Dec 13, 2017**

Good Morning. This is Doug Chabot with the Gallatin National Forest Avalanche Advisory issued on Wednesday, December 13<sup>th</sup> at 6:45 a.m. Today's advisory is sponsored by [Mystery Ranch](#) and [Community Food Co-op](#). This advisory does not apply to operating ski areas.

## Mountain Weather

At 5 a.m. under clear skies there's no new snow, mountain temperatures are in the mid-20s and winds are blowing W-NW at 20-30 mph. It's been eight days since snow fell in the northern ranges and five days in the south, but that's about to change. A fast moving snow storm around noon will freshen up the mountains with 2-3" of snow by tonight. Winds will remain out of the W-NW at 20 mph with gusts of 40 mph during the storm. Clear weather returns tomorrow with more snow showers on Friday.

## Snowpack and Avalanche Discussion



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

The snowpack is generally stable and the last reported avalanches were on Friday when ski patrols triggered small wind slabs. The backcountry only had a few wet sluffs on south-facing slopes. The snow depth varies from 5-6' around Cooke City to 2.5' in the northern mountains with all ranges harboring an ice crust that formed during Thanksgiving. In the absence of obvious signs of instability (cracking, collapsing or avalanches) we recommend digging and testing to this ice layer as a final step before dropping into avalanche terrain ([photo](#), [video](#)). On Monday in Hyalite my partner and I found stable conditions on the approach to Divide Peak and also in our snowpit ([profile](#)).

If today's storm arrives as expected, backcountry skiing and riding will improve but there will be a price to pay in the form of wind-loading and burying a new weak layer. A few inches of snow and wind may create 6-12" wind slabs at the ridgelines that could be triggered during and immediately after the storm. Additionally, the last 8 days of high pressure created a layer of small-grained facets (weak snow) at the surface which will get buried and cause avalanches in the future ([photo](#)). This layer is not widespread, but once buried it will require a bit of hunting to find. Stay tuned.

For today, the avalanche danger is starting out as **[LOW](#)**, but could rise with today's snowfall.

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**

**TONIGHT**, Dec. 13, **Avalanche Awareness**, 6:30-8 p.m. at Gallatin Valley Snowmobile Association, 4-Corners

Dec. 21, **Avalanche Awareness**, 6-7:30 P.m. at Play It Again Sports, 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

Dec. 14 and 15, **Snowmobiler Introduction to Avalanches with Field Course**, [Info and Register Here](#)

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

#### COOKE CITY

15 and 16 December, **Weekly Current Conditions and Avalanche Rescue**, 6:30-7:30 p.m. Friday @ the Super 8, and anytime between 10-2 on Saturday @ Lulu Pass road