

## GNFAC Avalanche Forecast for Sat Feb 23, 2019

Good morning. This is Eric Knoff with the Gallatin National Forest Avalanche Forecast issued on Saturday, February 23<sup>rd</sup> at 7:00 a.m. Today's forecast is sponsored by [Yellowstone Ski Tours](#) and [Gallatin Valley Snowmobile Association](#). This forecast does not apply to operating ski areas.

### Mountain Weather

This morning there's no new snow to report and temperatures are in the single digits above or below zero F. Winds are blowing 15-25 mph out of the west-southwest with gusts in Hyalite breaking 30 mph. Today, skies will become mostly cloudy and temps will warm into the upper teens to low 20's F. Winds will continue to blow 15-30 mph shifting to the west-northwest by this afternoon. Light snow develops this evening and the mountains will see 2-4" by tomorrow morning. A heavier shot of snow impacts the region tomorrow into Monday.

### Snowpack and Avalanche Discussion



Southern Madison   Southern Gallatin   Lionhead Range   Island Park

No avalanches have been reported in the southern mountains over the past four days. The reason for the decline in activity is the absence of a recent loading event. Although the snowpack is well adjusted and avalanches are becoming less likely, they still remain possible. The primary avalanche concern is a persistent weak layer of facets buried a foot or two off the ground. This layer has been the culprit for numerous large avalanches over the past ten days ([video](#), [details and photos](#)).

Assessing the strength and distribution of deeply buried weak layers isn't easy. The best defense against triggering a deep slab avalanche is to avoid riding steep slopes, especially those beneath cornices or in steep rocky terrain. It's important to remember that tracks on a slope do not indicate stability. If a slide is triggered today, it will likely be large and dangerous. Shallow wind slabs on upper elevation slopes loaded by westerly winds will also be a growing concern as winds increase throughout the day.

Buried weak layers and increasing winds make human triggered avalanches possible and the avalanche danger is rated **MODERATE**.



Bridger Range   Northern Gallatin   Northern Madison   Cooke City

Wind slabs on upper elevation slopes loaded by west-southwest winds will be the main concern today ([photo](#)). These slabs won't be exceptionally large, but could break 1-2' deep. Managing this problem shouldn't be too difficult. Watch for and avoid areas of wind drifted snow beneath cornices, cliff bands, and cross loaded terrain features. Winds are forecasted to increase through the day making wind slabs more widespread. Active wind loading is a clear indicator instability is on the rise, a warning sign to steer clear of steep wind loaded slopes.

There is an isolated chance a skier or rider could trigger a slide breaking on facets near the ground. Watch for this problem in areas where the snowpack is thinner or on slopes that have been heavily wind loaded. A few slides earlier in the week are a reminder this problem is still lurking ([photo](#), [photo](#), [video](#)).

Today, human triggered avalanches are possible on wind loaded slopes which have a [MODERATE](#) avalanche danger. Non-wind loaded slopes have a [LOW](#) avalanche danger.

## Upcoming Avalanche Education and Events

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

### BOZEMAN

March 1, 2 and 3, **Bozeman Split Fest**, More info at [www.bozemansplitfest.com](http://www.bozemansplitfest.com).

### WEST YELLOWSTONE

February 23, **1-hr Avalanche Awareness for Snowmobilers**, 7-8 p.m. Holiday Inn West Yellowstone.

### 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.