# GNFAC Avalanche Forecast for Sat Mar 27, 2021

Good Morning. This is Ian Hoyer with the Gallatin National Forest Avalanche Forecast on Saturday, March 27th at 7:00 a.m. Today's forecast is sponsored by **Uphill Pursuits** and **Blitz Motorsports and Yamaha.** This forecast does not apply to operating ski areas.

Mountain Weather

Big Sky picked up 3-10" of low density new snow, while other areas only received a trace-1". Strong winds are out of the west and northwest, gusting 30-45 mph. Temperatures are in the teens and 20s F. Westerly winds will back off a bit today, only gusting into the 20s. Temperatures will rise into the 30s and 40s F. There will be a few lingering snow showers this morning before skies begin to clear.

Snowpack and Avalanche Discussion

## All Regions

Strong winds have drifted recent snow into deep drifts that can break under the weight of a skier or rider today. Alex was in the northern Bridger Range yesterday and identified these drifts as the chief concern going into the weekend (**video**). A small skier triggered wind slab near Big Sky yesterday is an example of what to look out for today and the sort of terrain where triggering a slide could be particularly hazardous (**photo**). Pay attention to the texture of the snow surface for visual clues to identify these drifts. Look for drifted pillows near ridgelines, beneath cornices, and downwind of trees or rocks. If you feel the snow surface stiffening under your feet, you've found one of these drifts and should stop to assess before proceeding into steep terrain. These drifts will be particularly deep and easy to trigger in areas near Big Sky with the biggest overnight snow totals.

On some slopes, beneath the recent snow is a thin layer of weak snow (called near-surface facets) that makes for a poor bond to the old snow surface. The distribution of this weak layer is spotty. Near Cooke City it appears to primarily be on west facing slopes, but that pattern doesn't hold in other areas (**Cooke video**). Assume it's on every slope until you prove otherwise by digging to look for it. There is also a small possibility that avalanches breaking in the upper snowpack could step down to the weak layers at the ground.

The strong spring sun is supposed to come out this afternoon, which in many places will moisten the new snow for the first time. Watch for the snow surface getting sticky and cohesive, with roller balls and pinwheels being clear signs that the conditions for loose snow avalanches are developing. Move to shadier slopes or out of steep terrain to avoid this issue.

Large avalanches are possible and the avalanche danger is MODERATE today.

If you get out, please send us your observations no matter how brief. You can submit them via our **website**, email (**mtavalanche@gmail.com**), phone (406-587-6984), or Instagram (#gnfacobs).

## Upcoming Avalanche Education and Events

See our **education calendar** for an up-to-date list of all local classes. Here are a few select upcoming events and opportunities to check out:

**March 29, 6 p.m.,** Free 1-Hour Avalanche Awareness, online **Link to Join HERE**

**April 5, 6:30 p.m.,** Forecaster Chat with Alex Marienthal, hosted by Uphill Pursuits, “Spring Snowpack and Forecasting Tools”.