# GNFAC Avalanche Forecast for Wed Nov 27, 2024

This is Alex Marienthal with pre-season information from the Gallatin National Forest Avalanche Center on Wednesday, November 27th at 7:30 am. This information is sponsored by **World Boards** and **Uphill Pursuits.** You can donate to The Friends of the GNFAC's Fall Fundraiser HERE.

We will issue our next update on Friday morning and begin daily forecasts with danger ratings on Saturday.

Mountain Weather

**New snow** totals since our last update on Monday are:

0.2-0.3" SWE / 3-6" snow - Big Sky

0.3" SWE / 3" snow - Cooke City

0.1-0.2" SWE / 1-2" snow - Bridgers, Gallatins, Southern Madison, West Yellowstone, Island Park.

**Winds** have been out of the southwest and northwest at 5-25 mph with gusts of 25-45 mph. **Temperatures** this morning are single digits to teens F. The last couple days temperatures reached mid to high 20s F. **The next couple days** will be mostly sunny to partly cloudy with a small chance of up to an inch of snow tonight. Temperatures will reach low to mid-20s with overnight lows in the single digits to teens F. Wind will be westerly at 10-20 mph with gusts of 25-35 mph.

Snowpack and Avalanche Discussion

## All Regions

Snow depths are 1.5-2.5 feet deep at weather stations with nearly 3 feet in higher locations. Snow that fell yesterday and last weekend was drifted into wind slabs which were human-triggered and broke naturally the last couple days. We saw examples of these wind slab avalanches breaking naturally on Saddle Peak on Monday ( **photo**), and yesterday Big Sky ski patrol triggered multiple avalanches during mitigation work (**obs and photo**). Some of these avalanches broke on faceted snow just above the ground and some were confined to the recently drifted snow.

**Wind slab avalanches** can still be triggered, especially where new drifts grow from wind today and tomorrow. Be cautious of wind-loaded terrain and watch for blowing snow or cracking across the snow surface as a sign of fresh, unstable wind slabs.

**Persistent slab avalanches** breaking on weak faceted snow deeper in the snowpack are not a widespread hazard, but are a primary concern. Some slopes have a stronger snowpack without weak layers, but some slopes have slabs resting on facets and crusts near the bottom of the snowpack. So, **do your homework before going into avalanche terrain**. Recent avalanches at Big Sky are evidence of this problem as well as a few collapses near Cooke City and unstable test results in Bear Basin. Watch out for areas with shallower snow like Mark found on Lionhead on Saturday (video), **OR** slopes that harbour old October snow (elevations above 9,000' and/or northerly facing).

## Upcoming Avalanche Education and Events

Our education calendar is full of awareness lectures and field courses. Check it out: **Events and Education Calendar**

Tuesday, November 26, 6-7 p.m. **Free Avalanche Awareness** at REI Bozeman.

Monday, December 2, 6:30 p.m. MAP community partnership night and 1-hr Avalanche Awareness, at MAP Brewing

Tuesday, December 10, 9 a.m.-3 p.m., **West Yellowstone Avalanche Fundamentals: Motorized Guide Cert Course**, Pre-registration required.

For an intro class with a field day, Register for our **Avalanche Fundamentals** course.

## Friends of the Avalanche Center: Fall Fundraiser!

We're still counting on your support and the online Fall Powder Blast fundraiser is 77% of the way to our goal. Please consider making even a small donation **HERE** or via **Venmo**