

## GNFAC Avalanche Forecast for Sun Jan 10, 2021

Good Morning. This is Alex Marienthal with the Gallatin National Forest Avalanche Forecast on Sunday, January 10<sup>th</sup> at 7:15 a.m. This forecast is sponsored by [Montana State Parks](#) and [Uphill Pursuits](#). This forecast does not apply to operating ski areas.

### Mountain Weather

This morning there is no new snow. Wind is west-southwest at 5-15 mph with gusts to 25 mph, and temperatures are teens F. Today, wind will be westerly at 10-20 mph and shift north this afternoon, and temperatures will reach mid to high 20s F. The next chance for snow is Tuesday night and Wednesday.

### Snowpack and Avalanche Discussion



Bridger  
Range

Madison  
Range

Southern  
Gallatin

Lionhead  
Range

Island  
Park

In the Bridger Range, Madison Range, southern Gallatin Range and Lionhead area near West Yellowstone large avalanches are easy to trigger, breaking on a thick layer of weak, sugary snow on the ground. The mountains have not received snow since Thursday, but the last two days avalanches and collapses continued to be triggered from lower angle terrain, and propagated long distances.

Yesterday, skiers reported large collapses in the northern Madison Range ([details](#)) and near Hebgen Lake ([details](#)), and a sledder reported wide propagating cracks and an avalanche at Buck Ridge ([photo](#), [photo](#)). On Friday, a skier triggered an avalanche remotely (from a distance) in Cinnamon Creek ([details](#)). Large collapses were reported in the northern Madison and Bridger Ranges including some cracks breaking 300 ft from the trigger point ([details](#), [details](#)). Ian and I rode into Buck Ridge where we saw 9 human triggered and natural avalanches that broke since Tuesday. One of them was triggered on Thursday afternoon and broke 2 ft deep and 1000 ft wide ([video](#), [photo](#)).

Avalanches can be triggered from low angle terrain connected to steep slopes. Recent activity broke wide, across terrain features into multiple starting zones. Avoid riding on and underneath steep slopes. Today, human triggered avalanches are likely and the avalanche danger is [CONSIDERABLE](#).



Northern Gallatin

Yesterday in Hyalite a skier triggered a very large avalanche on Flanders Mountain. It broke when he was at the bottom of the lowest angle side of the run (30-33 degrees). The slide was 2 feet deep where it took out the skier's tracks, and propagated across the whole path around a corner into an adjacent path where the crown was 6 feet deep ([video of the slide](#), [photos and details](#)). In the northern Gallatin Range the snowpack has a similar poor structure as surrounding ranges, but less recent snow allowed the snowpack to become less reactive. The avalanche on Flanders, and reports of unstable test results ([photo](#)) and collapsing on Mt. Blackmore ([details](#)) are signs that it is possible to trigger large avalanches. Today the avalanche danger is [MODERATE](#).



## Cooke City

On Friday a group of six skiers triggered an avalanche on The Fin near Cooke City. Three were caught and partially buried, and one was evacuated by helicopter due to serious injuries ([photos and details](#)). West of Cooke City a separate skier triggered an avalanche which broke 2 feet deep, and he skied off without incident ([details](#)). Yesterday, riders north of Cooke City reported two avalanches that broke a similar depth as those on Friday ([photo and details](#)), and skiers triggered a small slab low on Republic Mountain ([photo](#)). Some slopes near Cooke City have an unstable recipe with a weak layer buried under recent snow. This structure is not on all slopes, so it requires us to be diligent with careful snowpack assessment, cautious terrain selection and safe travel protocols. Today, avalanches are possible and avalanche danger is [MODERATE](#).

If you get out, please send us your observations no matter how brief. You can submit them via our [website](#), email ([mtavalanche@gmail.com](mailto: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:

**Every Saturday in Cooke City**, FREE snowpack update and rescue practice at the Round Lake Warming Hut between 10 a.m. and 3 p.m. [Poster with More Info](#).

**Monday, January 11**, 6-7 p.m. The Friends of the Avalanche Center will offer a FREE 1-hr Avalanche Awareness Talk in partnership with Uphill Pursuits. The talk will be given via a live ZOOM session. Please click the link below to join the webinar: [Join HERE](#).

**January 15 and 16**, Companion Rescue Clinic, 6-8pm Friday Zoom online, Saturday field session 10am - 2pm. Register [HERE](#).

**Tuesday, January 19**, 6-7 p.m. The Friends of the Avalanche Center will offer a FREE 1-hr Avalanche Awareness Talk in partnership with the University of Montana Western School of Outreach. The talk will be a live, ONLINE event. [Join us HERE](#).

**January 20 & 21** (plus field sessions the following weekends), **Avalanche Fundamentals with Field Course**. There are separate field sessions tailored for both skiers and splitboarders (Bridger Bowl) and snowmobilers (Buck Ridge). Register [here](#).