

## **GNFAC Avalanche Advisory for Sun Apr 12, 2015**

Good morning. This is Eric Knoff with the Gallatin National Forest Avalanche Advisory issued on Sunday, April 12, at 7:30 a.m. [\*\*Gallatin County Search and Rescue\*\*](#) in partnership with the **Friends of the Avalanche Center** sponsors today's advisory. This advisory does not apply to operating ski areas.

### **Avalanche Fatality**

The GNFAC is saddened to report that a skier died in an avalanche yesterday on the north side of Beehive Peak in the northern Madison Range. He was in a group of four and the first one to descend a couloir known as Hanging Garden on the north side of the peak. Some distance into the couloir, he was caught in a small avalanche that swept him over cliffs. We will complete a detailed accident report which will be available in the next few days. Our sincere condolences go out to the victim's family and friends.

### **Mountain Weather**

A fast but potent storm system dropped 5-7" of snow overnight in the mountains around Big Sky and Cooke City including the northern Gallatin Range. The Bridger Range picked up 4-5" while the mountains around West Yellowstone squeezed out 2-3". This morning, temperatures range from the mid-teens to low 20s F and winds are blowing 15-25 mph out of the west. Today, temperatures will warm into the upper 20s to mid-30s F under partly to mostly cloudy skies. Winds will continue to blow 15-25 mph out of the W-SW. A building ridge of high pressure will produce clearing skies and nicer weather tonight into tomorrow.

### **Snowpack and Avalanche Discussion**

[Bridger Range](#) [Northern Gallatin Range](#)

[Northern Madison Range](#) [Cooke City](#)

Wind slabs will be today's primary avalanche concern in the mountains around Bozeman, Big Sky and Cooke City. The new snow that fell overnight will easily be transported by moderate to strong winds out of the west-southwest. Fresh wind slabs will most likely be encountered on upper elevation slopes facing north through east.

Yesterday, a skier was caught, carried and killed by a small avalanche - most likely a small wind slab, when he was swept over cliffs ([photo](#), [photo](#)). This is a strong reminder that small avalanches can have big consequences.

Fast moving new snow sluffs will also be possible on steep, sun exposed slopes, where the bed surface is hard and icy. During the morning hours, these loose snow avalanches will consist of dry, powdery snow. As temperature and solar input increase throughout the day, loose-wet avalanches will be a growing concern on sun exposed slopes.

Today, human triggered avalanches are likely on wind loaded slopes steeper than 35 degrees which have a [\*\*CONSIDERABLE\*\*](#) avalanche danger. Non-wind loaded slopes steeper than 35 degrees have a [\*\*MODERATE\*\*](#) avalanche danger. All other slopes have a [\*\*LOW\*\*](#) avalanche danger

[Southern Madison Range](#) [Southern Gallatin Range](#)

### Lionhead area near West Yellowstone

The 2-3" of new snow that fell in the southern ranges will not significantly increase the avalanche hazard. There is the possibility a skier or rider could trigger small wind slabs in upper elevation, leeward terrain. Pay close attention to slopes directly below the ridgelines and avoid areas that appear recently wind loaded.

Outside of freshly formed wind slabs, there is little avalanche hazard. The old snow surface will be frozen and locked up, which will keep all avalanche problems confined to the new snow.

Today, human triggered avalanches are possible on wind loaded slopes steeper than 35 degrees which have a **MODERATE** avalanche danger. All other slopes have a **LOW** avalanche danger.

We will update the advisory for the next few days as we gather more information about the accident on Beehive Peak. If you have any snowpack or avalanche observations drop us a line at [mtavalanche@gmail.com](mailto:mtavalanche@gmail.com) or call us at 587-6984.