

Explosive triggered slide at Big Sky

Big Sky Resort
Northern Madison
11/6/2018
Code
HS-ABc-R3-D2-O
Elevation
10901
Aspect
N
Latitude
45.27830
Longitude
-111.44900
Notes

"We triggered a large avalanche in the Cirque with a 5lb. shot dangled from the Tram. The [slide](#) broke 3' deep and took out the Dobies, Cron's and part of the Ramp Shot avalanche paths. Hard [slab](#)- 1F minus generally. Storm [slab](#) from the past 8 days. The [slide](#) ran on a crust that formed from the left over snow from mid- October that got warmed in the 3rd week of October. The [weak layer](#) was just a thin layer of lower density snow trapped under the hard slabs- didn't seem to be particularly faceted. Some graupel. The crust is not very hard or slick, about 2cm thick, and crumbled easily in hand... The [slide](#) had good [propagation](#) and the crown was at least 300' long- impressive debris pile." -Big Sky Ski Patrol

Number of slides
1
Number caught
0
Number buried
0
Avalanche Type
Hard slab avalanche
Trigger
An explosive detonated above the snow surface (air blast)
Trigger Modifier
c-A controlled or intentional release by the indicated trigger
R size
3
D size
2
Bed Surface
O - Old snow
Slab Thickness
36.0
Slab Width
300.00ft
Weak Layer Grain type
Precipitation Particles

Weak Layer Hardness

F+

Slab Layer Hardness

1F-

Single / Multiple / Red Flag

Multiple Avalanches

Advisory Year

[18-19](#)