

## Explosive triggered avalanche at Y.C. on persistent weak layer

Yellowstone Club  
Northern Madison  
12/16/2018  
Code  
SS-ABc-R3-D2-G  
Elevation  
8400  
Aspect  
NE  
Latitude  
45.24250  
Longitude  
-111.42900  
Notes

Ski patrol triggered this avalanche at the Yellowstone Club on Sunday (12/16). "8400', ENE facing, 36deg start zone that was about 120' wide and ran vertically 200'. The crown was 1.5-2', went to ground, and was a mostly faceted snowpack with a bit of wind effected snow in the top few inches. The slide was [slide](#) used from a 4lb air blast." -YCSP

Number of slides  
1  
Number caught  
0  
Number buried  
0  
Avalanche Type  
Soft 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  
G - Ground  
Problem Type  
Persistent Weak Layer  
Slab Thickness  
24.0 inches  
Vertical Fall  
200ft  
Slab Width  
120.00ft  
Weak Layer Grain type

Faceted Crystals

Slab Layer Grain Type

Wind packed

Images

[Explosive triggered avalanche at Y.C., debris](#)

[Explosive triggered avalanche at Y.C., crown](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[18-19](#)