

## Y.C. explosive triggered slide

Yellowstone Club  
Northern Madison  
3/3/2019  
Code  
HS-ABc-R2-D2-G  
Elevation  
7280  
Aspect  
NW  
Latitude  
45.22980  
Longitude  
-111.41200  
Notes

"The YC Ski Patrol conducted avalanche mitigation work above another one of our roads today. The area is outside of our ski area boundary and receives no skier traffic. A 4lb explosives charge was detonated from an aerial tram and triggered a R2/D2 avalanche that ran to the ground. The crown was 2', the path width was around 100', and it ran 350 vertical feet (crossing the road) to the bottom of the [runout zone](#). The elevation was 7280' on a NNW [aspect](#) and max slope angle of 34 degrees. Other sections of this slope were tested with explosive charges, yielding only black holes." Photos and observation courtesy YC 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  
2  
D size  
2  
Bed Surface  
G - Ground  
Problem Type  
Persistent Weak Layer  
Slab Thickness  
24.0 inches  
Vertical Fall  
350ft  
Slab Width

100.00ft

Images

[Y.C. explosive triggered slide debris](#)

[Y.C. explosive triggered slide crown](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[18-19](#)