

## Skier triggered on north face of Republic

Republic Mountain  
Cooke City  
1/22/2022  
Code  
SS-ASu-R2-D1.5-O  
Elevation  
10000  
Aspect  
N  
Latitude  
45.00660  
Longitude  
-109.96000  
Notes

From email 1/22/22: "This morning (20220122) I was ascending a steep North facing [couloir](#) up the N summit of Republic Mountain and on ascent (boot packing) about 1/2 way up the line I triggered a small soft [slab](#) from that propagated around the rock I was tucked behind, 40M above me and 20M across. Luckily, my ascent line was sheltered from any above exposure and I was not caught or carried in anyway. The crown ranged from 8cm where I triggered it to an estimated 25cm at its deepest. The avalanche ran an estimated 200M. I believe the windslab ran on 1-3mm NSF's (evident on the [bed surface](#)) formed in the high pressure before the recent light precip."

Number of slides  
1  
Number caught  
0  
Number buried  
0  
Avalanche Type  
Soft slab avalanche  
Trigger  
Skier  
Trigger Modifier  
u-An unintentional release  
R size  
2  
D size  
1.5  
Bed Surface  
O - Old snow  
Problem Type  
Wind-Drifted Snow  
Slab Thickness  
20.0 centimeters  
Vertical Fall  
600ft

Slab Width

70.00ft

Weak Layer Grain type

Near surface faceted particles

Images

[Skier triggered wind slab, Republic Mountain](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[21-22](#)