

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 [bed surface](#) rmed 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](#)