

# Natural Avalanche Sage Basin

Taylor Fork  
Southern Madison  
2/27/2023  
Code  
HS-NC-R2-D2-O  
Elevation  
9200  
Aspect  
N  
Latitude  
45.06070  
Longitude  
-111.27200  
Notes

A [cornice collapse](#) in Sage Basin triggered an avalanche on a wind-loaded slope. The avalanche broke down to an old layer of buried [surface hoar](#) at 150 cm height (total snow height - 255 cm). The average depth is difficult to discern because the crown abuts the [cornice](#) line. The avalanche depth as stated was measured in the flank in a [snowpit](#) profile. Avalanche width and vertical run are estimated using photographs and Google Earth.

Number of slides  
1  
Number caught  
0  
Number buried  
0  
Avalanche Type  
Hard slab avalanche  
Trigger  
Cornice fall  
R size  
2  
D size  
2  
Bed Surface  
O - Old snow  
Problem Type  
Persistent Weak Layer  
Slab Thickness  
85.0 centimeters  
Vertical Fall  
125ft  
Slab Width  
350.00ft  
Weak Layer Grain type  
Surface Hoar  
Weak Layer grain size

4.00mm

Weak Layer Hardness

4F

Images

[Sage Basin Avalanche Profile - 1 March 2023](#)

[Natural Avalanche Sage Basin 3](#)

[Natural Avalanche Sage Basin 2](#)

[Sage Basin Avalanche 1](#)

Attached Videos

[Natural Avalanche in the Taylor Fork - 1 March 2023](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[22-23](#)