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