Collapse/Crack on Scotch Bonnet

Scotch Bonnet
Cooke City
1/15/2021
Code
Elevation
10000
Aspect
SE
Latitude
45.07140
Longitude
-109.94400
Notes

From obs: "While skinning up the south shoulder of Scotch Bonnet, about half way (~10,000 ft.) shooting cracks occurred on convexities and were accompanied by whumpfing. While traversing a slope a crack shot perpendicular to the slope at a convexity about 60 ft. up and the whole slope collapsed. After this we immediately turned around taking the most conservative path. These conditions were not present lower down the slope and a snow pit showed no propagation with only a Q3 fracture on the recent layer of surface hoar. It seemed that the higher elevation and more southern aspect decreased the stability of the recent surface hoar layer. The surface hoar layer was not reactive on more westerly slopes."

Number of slides
0
Number caught
0
Number buried
0
Problem Type
Persistent Weak Layer
Weak Layer Grain type
Surface Hoar
Images
Shooting Cracks on Scotch Bonnet
Slab Thickness units
centimeters
Single / Multiple / Red Flag
Red Flag
Advisory Year
20-21