

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](#)