Republic Creek Avalanches

Republic Creek
Cooke City
1/10/2024
Code
SS-N-D2
Elevation
9000
Aspect
E
Aspect Range
W, E, NE
Latitude
44.98550
Longitude
-109.94100
Notes

From email on 01/13: "Toured into Republic creek with our class. Noted two D2 soft slab avalanches. One on a west aspect and the other on an east aspect at about 9000'. I estimate the crown was 15-40cm deep and likely ran on the same layer as other recent avalanches in the area."

From email on 01/13: "From Miller Ridge today, I had a brief look into Sheep Creek, and to the mountains south of Cooke City, and observed 7 fresh slab avalanches (that happened in the last 1-3 days). Will send photos of them later if I can get better views.

Most of them were on NEerly aspects, and appeared to be on the new/old Jan. 5th interface. Mid and upper elevations, most commonly in wind loaded terrain. Some propagating a few hundred feet wide. "

From email on 01/14: "One crown on the Middle Siren, probably part of the last cycle."

Number of slides
9
Number caught
0
Number buried
0
Avalanche Type
Soft slab avalanche
Trigger
Natural trigger
D size
2
Problem Type
Persistent Weak Layer

Images
Cooke City Avalanche 4
Cooke City Avalanche 3
Cooke City Avalanche 2
Cooke City Avalanche 1
Snow Observation Source
Avalanches S. of Cooke City Photos and Observations
Weak Snow in Republic Creek
Natural Avalanches in Republic Creek
Republic Creek Obs
Slab Thickness units
centimeters
Single / Multiple / Red Flag
Multiple Avalanches
Advisory Year
23-24