Collapsing in Republic Creek

Republic Creek
Cooke City
12/3/2022
Code
AS
Elevation
8900
Aspect
SW
Latitude
44.98550
Longitude
-109.94100
Notes

We dug a pit on a W/WNW slope at around 9100 ft in the republic creek drainage. CT 18 and ECTN34 (ECTX then we hit it extra hard 4 more times) on the weak layer about 70 cm down. But overall snowpack was upright and it seemed to be settling down more than we thought. But then as we approached the ridge we triggered 5 separate large collapses ("Whumphs"), all on WSW/SW slopes (between 8700 and 9200 ft). Pole probes revealed a light crust about 12 inches down.

Number of slides
0
Number caught
0
Number buried
0
Trigger
Skier
Problem Type
Persistent Weak Layer
Snow Observation Source
Collapsing in Republic Creek
Slab Thickness units
centimeters
Single / Multiple / Red Flag
Red Flag
Advisory Year
22-23