

Large Natural on Republic Mtn.

Republic Mountain

Cooke City

12/2/2022

Code

HS-N-R3-D2.5-O

Elevation

8600

Aspect

N

Latitude

45.00030

Longitude

-109.95400

Notes

Leaving Cooke on 12/3 we saw many natural avalanches that likely broke on 12/2. Estimate more than 50% of slopes facing north, 8,000-9,000' had crowns 2-4' deep. The largest on Old Man Ray's below republic was R3-D2.5, 400+' wide, 1,000' vertical. There were a couple, possibly larger, on Thunderer in the park, but low light made them difficult to confirm.

Number of slides

1

Number caught

0

Number buried

0

Avalanche Type

Hard slab avalanche

Trigger

Natural trigger

R size

3

D size

2.5

Bed Surface

O - Old snow

Problem Type

Persistent Weak Layer

Slab Thickness

36.0 inches

Vertical Fall

1000ft

Slab Width

420.00ft

Images

[Natural avalanche on Republic 2](#)

[Natural avalanche on Republic](#)

Natural avalanche on Republic Mountain

Snow Observation Source

Natural avalanches West of Cooke, and in YNP

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

22-23