

Remote triggered persistent slab east of Mt. Abundance

Mount Abundance

Cooke City

2/24/2025

Code

HS-AFr-R3-D2-O

Elevation

8800

Aspect

NE

Latitude

45.08080

Longitude

-110.00400

Notes

We went to look at an avalanche that was triggered two days ago, remotely from flat terrain above a steep slope, on the northeast end of Mt. Abundance. While looking for the avalanche from the flat bench above we triggered a similar sized [slide](#) directly adjacent to the previous [slide](#). They broke on weak layers of facets and [surface hoar](#) that formed at the end of January. 2-3 feet deep and 150-200' wide. 1F to P- hard [slab](#) above the [weak layer](#) with 25cm of 4F to F snow at the surface. AFr-HS-R3-D2-O.

Number of slides

1

Number caught

0

Number buried

0

Avalanche Type

Hard slab avalanche

Trigger

Foot penetration

Trigger Modifier

r-A remote avalanche released by the indicated trigger

R size

3

D size

2

Bed Surface

O - Old snow

Problem Type

Persistent Slab

Slab Thickness

65.0 centimeters

Vertical Fall

400ft

Slab Width

200.00ft

Weak Layer Grain type

Surface Hoar

Weak Layer grain size

5.00mm

Slab Layer Grain Type

Decomposing and Fragmented precipitation particles

Images

[Abundance Bench AFr Crown Profile - 24 Feb](#)

[Snow grains from the weak layer](#)

[Looking at crown of Feb 24 avalanche](#)

[Remote triggered avalanche Feb 24 crown](#)

[Both remote triggered avalanches from far](#)

[Remote triggered avalanche Feb 24 close](#)

Attached Videos

[Avalanches triggered from flat terrain, Cooke City - 24 Feb 2025](#)

Snow Observation Source

[Remote triggered persistent slab, many wind slab avalanches](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[24-25](#)