Avalanche South Face Mount Abundance

Mount Abundance
Cooke City
2/21/2022
Code
SS-AMu-R2-D2-O
Elevation
10000
Aspect
S
Latitude
45.07730
Longitude
-110.02100
Notes

Riders spotted this large avalanche on the south face of Mount Abundance on President's Day. It was unknown whether it was natural or human-triggered. The group had some sled issues on their way to go check on the situation and retreated to town.

We later determined that it was sledder triggered based on video footage on social media

Number of slides
1
Number caught
0
Number buried
0
Avalanche Type
Soft slab avalanche
Trigger
Snowmobile
Trigger Modifier
u-An unintentional release
R size
2
D size
2
Bed Surface
O - Old snow
Problem Type
Persistent Weak Layer
Slab Thickness
24.0 inches
Vertical Fall
650ft
Slab Width
750.00ft

Weak Layer Grain type
Faceted Crystals
Weak Layer grain size
1.50mm
Weak Layer Hardness
4F-
Slab Layer Grain Type
Partially decomposed precipitation particles
Images
Avalanche on Mt. Abundance, full slide
Crown of slide on Abundance
Avalanche South Face Abundance 2
Avalanche South Face Abundance
Attached Videos
Snowmobile Triggered Avalanche, Cooke City - 25 Feb 2022
Slab Thickness units
inches
Single / Multiple / Red Flag
Single Avalanche
Advisory Year
21-22