Remotely triggered an avalanche, Mt. Jefferson

Mt Jefferson Bowl
Island Park
2/7/2023
Code
SS-AFc-R2-D1-O
Elevation
9000
Aspect
E
Latitude
44.56580
Longitude
-111.50000
Notes

We rode up Yale Creek and into Mt Jefferson Bowl. Walking to the edge we triggered an avalanche (intentional) on a slope that was getting wind-loaded. It broke up to 1.5 feet deep, 250 feet wide and 50 feet vertical. The new wind drifts were sensitive to triggering and the slabs propagated wide. Weak layers at the old snow surface may have helped us remotely trigger the slope. The two things to look out for in the Centennials are weak layer of sugary snow or feathery surface hoar in the upper 3 feet of the snowpack and slopes that are freshly wind-loaded.

Number of slides
1
Number caught
0
Number buried
0
Avalanche Type
Soft slab avalanche
Trigger
Foot penetration
Trigger Modifier
c-A controlled or intentional release by the indicated trigger
R size
2
D size
1
Bed Surface
O - Old snow
Problem Type
Wind-Drifted Snow
Slab Thickness
18.0 inches
Vertical Fall
50ft
Slab Width
250.00ft

Slab Layer Grain Type
Wind Broken precipitation particles
Slab Layer Hardness
1F-
Images
Cracks shot out from my feet and triggered the avalanche on steeper slopes.
The avalanche was remotely triggered as we walked to the edge.
Attached Videos
We Triggered an Avalanche - Island Park - 7 February 2023
Snow Observation Source
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Slab Thickness units
inches
Single / Multiple / Red Flag
Single Avalanche
Advisory Year
22-23