

Remote Triggered Avalanche, Pioneer Mountains

East Pioneer Mountains

Dillon Area

2/19/2024

Code

HS-ASr-R3-D2-O

Elevation

9100

Aspect

NE

Latitude

45.46230

Longitude

-112.96100

Notes

From obs: "Accessed low angle settled powder runs via mellow ridge terrain adjacent to a known [avalanche path](#) which is steep, rocky and windloaded. We descended on lower angle terrain following uptrack. On second lap observed the crown and debris while climbing uptrack and suspected we remote triggered; it was not there on first lap. Slope angle 35-38 degrees estimated. Estimate crown depth 60-120 cms. Estimated debris depth 2-3 meters due to [terrain trap](#) of an abrupt transition to flat terrain at bottom of path. We did not approach the crown or debris due to hangfire. [Starting Zone](#) NE facing at 9100' on wind loaded convexity with unsupported terrain below and rocky [bed surface](#) and exposed rocks/cliffs. I would classify it as HS-ASur-R4-D2.5-O

Large collapses with cracks connecting weak spots in the snowpack for 50 feet around us while breaking trail. [Slab](#) has gotten quite a bit thicker and more cohesive with 3 inches SWE in past 14 days combined with relatively warm temps promoting settling, strong solar input on the southerlies, and some wind. Average snow depth 100 cms consisting of a F-1Fslab on top of 20-30 cms of large facets. A crust in between on solar aspects. There is a density break/layer of NSF in the [slab](#) you can see in some of the photos where it appeared to shear between those layers. A very scary snowpack even for the Pioneers which regularly harbor PWLs throughout the season."

Number of slides

1

Number caught

0

Number buried

0

Avalanche Type

Hard slab avalanche

Trigger

Skier

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 Weak Layer

Slab Thickness

80.0 centimeters

Images

[Remote Triggered Avalanche Pioneer Mtns., 2](#)

[Remote Triggered Avalanche Pioneer Mtns., 1](#)

Snow Observation Source

[Remote Triggered Avalanche](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[23-24](#)