Remote Triggered Avalanches, Taylor Fork

Taylor Fork
Southern Madison
1/11/2024
Code
SS-AFr-R1-D1.5-O
Elevation
9500
Aspect
E
Latitude
45.06070
Longitude
-111.27200
Notes

From Obs: "At Sunlight Basin, we remotely triggered an avalanche while walking on the flat ridge above a wind-loaded slope. The avalanche broke below a 12" deep slab with 1.5" of snow water equivalent in the slab, and it failed on a layer of large (1-1.5cm) surface hoar."

Number of slides
2
Number caught
0
Number buried
0
Avalanche Type
Soft slab avalanche
Trigger
Foot penetration
Trigger Modifier
r-A remote avalanche released by the indicated trigger
R size
1
D size
1.5
Bed Surface
O - Old snow
Problem Type
Persistent Weak Layer
Slab Thickness
12.0 inches
Vertical Fall
150ft
Slab Width
50.00ft
Weak Layer Grain type
Surface Hoar

Weak Layer grain size
15.00mm
Weak Layer Hardness
F+
Slab Layer Grain Type
Wind Broken precipitation particles
Slab Layer Hardness
4F+
Images
Sunlight Basin Crown Profile - 11 Jan 2024
Cracks near trigger point, Sunlight Basin
Remotely triggered small slope (Jan 11)
Remote triggered slide in Sunlight, crown 3
Remote triggered slide in Sunlight, crown 2
Remote triggered slide in Sunlight, crown
Remote triggered slide in Sunlight, debris
Attached Videos
Remotely Triggered Avalanche, Taylor Fork - 11 Jan 2024
Snow Observation Source
Remote triggered avalanches, lots of cracking
Slab Thickness units
inches
Single / Multiple / Red Flag
Multiple Avalanches
Advisory Year
23-24