

## 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](#)