

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](#)