

Remotely Triggered Avalanche in Lionhead

Lionhead Ridge

Lionhead Range

1/9/2024

Code

SS-ASr-R3-D2-O

Elevation

8600

Aspect

NE

Latitude

44.71450

Longitude

-111.31800

Notes

While approaching Lionhead Ridge skiers intentionally triggered an avalanche on the steep E, NE facing terrain below the ridge. This likely happened on a buried layer of [surface hoar](#). Lower down widespread cracking was observed that extended well in front of the skiers and on a less steep slope cracking in all directions 50' wide. Along the ridgetop cracking continued and sections of [cornice](#) fell and avalanched below.

Number of slides

1

Number caught

0

Number buried

0

Avalanche Type

Soft 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

18.0 inches

Vertical Fall

100ft

Slab Width

1000.00ft

Weak Layer Grain type

Surface Hoar

Weak Layer Hardness

F

Slab Layer Grain Type

Precipitation Particles

Images

[Cornices breaking and avalanching on Lionhead Ridge](#)

[Top SH stripe is weakest, Lionhead](#)

[A 3-inch wide crack on Lionhead](#)

[Shooting cracks at Lionhead](#)

[ECTPV on Surface Hoar, Lionhead](#)

Attached Videos

[It's Pretty Sporty, Lionhead - 9 Jan 2024](#)

Snow Observation Source

[It is getting dangerous in Lionhead](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[23-24](#)