

Remotely Triggered Avalanche on Henderson Mountain, Cooke City

Henderson Mountain

Cooke City

1/18/2024

Code

SS-ASr-R3-D2-O

Elevation

9500

Aspect

SW

Latitude

45.05240

Longitude

-109.94500

Notes

On the west side of Henderson Mountain, while ascending a low-angle slope toward a known [avalanche path](#), we experienced several collapses. Halfway up the slope, Ian noted snowballs rolling down the hill and around the corner, we could see the debris that had come from the steep terrain above. We had a clear view of this slope near the snowmobiles and it had not avalanched when we began ascending. At some point from several hundred feet away, we remotely triggered the slope. The avalanche was ~150' wide, 2' deep and ran almost to the road. Across the gully, we could see large cracks but the slope did not avalanche. Above, cracking and collapsing continued and we got a view into the upper part of the gully and saw another crown of an avalanche that likely happened at the same time as the slope 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

350ft

Slab Width

150.00ft

Weak Layer Grain type

Near surface faceted particles

Weak Layer grain size

2.00mm

Weak Layer Hardness

F

Images

[Henderson Avalanche Continued](#)

[Henderson Avalanche Crown](#)

[Henderson Avalanche from the Top](#)

Snow Observation Source

[Lots of Action in Cooke City](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[23-24](#)