

Very Large avalanche on Henderson Mtn.

Henderson Mountain

Cooke City

2/28/2023

Code

HS-N-R3-D3-O

Elevation

10200

Aspect

NE

Latitude

45.05360

Longitude

-109.94600

Notes

On 3/1/23 at 11am we saw a very large avalanche crown on the east side on Henderson Mtn., in the big [avalanche path](#) off the highest summit. It likely occurred late yesterday or early this morning. There was minimal new or drifted snow covering it, and it was snowing and blowing yesterday all day.

I estimate the crown is 6-8 feet deep, possibly 10 feet in spots. Measured on GoogleEarth to be 700 feet wide. 1200 feet vertical. HS-N-R3-D3-O. It did not go to the ground. Given how much wind-[loading](#) this path gets it may have been near the interface the 6 feet of snow that fell over the last 7-10 days, but it easily could have broken on a variety of faceted layers deeper in the snowpack.

Today wind was very calm and skies were partly cloudy. We saw a few shots of blue sky mixed with a few snow showers that totaled maybe 2-3cm.

Number of slides

1

Number caught

0

Number buried

0

Avalanche Type

Hard slab avalanche

Trigger

Natural trigger

R size

3

D size

3

Bed Surface

O - Old snow

Problem Type

Wind-Drifted Snow

Slab Thickness

84.0 inches

Vertical Fall

1200ft

Slab Width

700.00ft

Images

[Very large avalanche on Henderson, crown close up](#)

[Very large avalanche on Henderson Mtn.](#)

[Very large avalanche on Henderson, lower slab release](#)

Snow Observation Source

[Very Large avalanche on Henderson Mtn.](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[22-23](#)