

Crown Butte, Snowmobile triggered Avalanche

Crown Butte

Cooke City

12/30/2020

Code

SS-AMu-R2-D2-O

Elevation

9800

Aspect

SE

Latitude

45.05250

Longitude

-109.96200

Notes

A snowmobile triggered avalanche broke 1-2' deep on a layer of near surface facets sandwiched between two crusts.

Number of slides

1

Number caught

0

Number buried

0

Number killed

0

Avalanche Type

Soft slab avalanche

Trigger

Snowmobile

Trigger Modifier

u-An unintentional release

R size

2

D size

2

Bed Surface

O - Old snow

Problem Type

Persistent Weak Layer

Slab Thickness

60.0 centimeters

Vertical Fall

400ft

Slab Width

150.00ft

Weak Layer Grain type

Near surface faceted particles

Weak Layer grain size

1.00mm

Weak Layer Hardness

F

Slab Layer Grain Type

Decomposing and Fragmented precipitation particles

Slab Layer Hardness

4F

Images

[Crown Butte avalanche and tracks](#)

[Crown Butte avalanche crown](#)

[Many snowmobile tracks](#)

[Crown Butte - Crown Profile - 30 December 2020](#)

Attached Videos

[Crown Butte Avalanche, Cooke City - 30 Dec 2020](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[20-21](#)