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