

# Snowmobile Triggered Avalanche on Buck Ridge

Buck Ridge  
Northern Madison  
12/17/2023  
Code  
HS-AM-R2-D1-O  
Elevation  
9400  
Latitude  
45.17190  
Longitude  
-111.38000  
Notes

An avalanche along the divide between Muddy and Bear Creek. Avalanche was approximately 100 ft wide and 25 ft tall, breaking on facets just above a crust near the ground. [Slide](#) was clearly several days old, estimating it broke Friday, 12/15/23. Tracks indicate it was likely snowmobile triggered. Photo taken 12/19/23. GNFAC

Number of slides  
1  
Number caught  
0  
Number buried  
0  
Avalanche Type  
Hard slab avalanche  
Trigger  
Snowmobile  
R size  
2  
D size  
1  
Bed Surface  
O - Old snow  
Problem Type  
Persistent Weak Layer  
Slab Thickness  
18.0 inches  
Vertical Fall  
25ft  
Slab Width  
100.00ft  
Weak Layer Grain type  
Faceted Crystals  
Weak Layer Hardness  
F  
Slab Layer Grain Type  
Decomposing and Fragmented precipitation particles

Slab Layer Hardness

1F

Images

[Avalanche on Buck](#)

[Muddy-Bear Divide Profile - 19 Dec 2023](#)

Attached Videos

[Still Reactive, Buck Ridge - 19 Dec 2023](#)

Snow Observation Source

[Older Avalanche and Still Reactive on Buck](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[23-24](#)