

# 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](#)