

Republic Creek Avalanches

Republic Creek

Cooke City

1/10/2024

Code

SS-N-D2

Elevation

9000

Aspect

E

Aspect Range

W, E, NE

Latitude

44.98550

Longitude

-109.94100

Notes

From email on 01/13: "Toured into Republic creek with our class. Noted two D2 soft [slab](#) avalanches. One on a west [aspect](#) and the other on an east [aspect](#) at about 9000'. I estimate the crown was 15-40cm deep and likely ran on the same layer as other recent avalanches in the area."

From email on 01/13: "From Miller Ridge today, I had a brief look into Sheep Creek, and to the mountains south of Cooke City, and observed 7 fresh [slab](#) avalanches (that happened in the last 1-3 days). Will send photos of them later if I can get better views.

Most of them were on NEerly aspects, and appeared to be on the new/old Jan. 5th interface. Mid and upper elevations, most commonly in wind loaded terrain. Some propagating a few hundred feet wide. "

From email on 01/14: "One crown on the Middle Siren, probably part of the last cycle."

Number of slides

9

Number caught

0

Number buried

0

Avalanche Type

Soft slab avalanche

Trigger

Natural trigger

D size

2

Problem Type

Persistent Weak Layer

Images

[Cooke City Avalanche 4](#)

[Cooke City Avalanche 3](#)

[Cooke City Avalanche 2](#)

[Cooke City Avalanche 1](#)

Snow Observation Source

[Avalanches S. of Cooke City Photos and Observations](#)

[Weak Snow in Republic Creek](#)

[Natural Avalanches in Republic Creek](#)

[Republic Creek Obs](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Multiple Avalanches

Advisory Year

[23-24](#)