

## Collapsing in Republic Creek

Republic Creek

Cooke City

12/3/2022

Code

AS

Elevation

8900

Aspect

SW

Latitude

44.98550

Longitude

-109.94100

Notes

We dug a pit on a W/WNW slope at around 9100 ft in the republic creek drainage. CT 18 and ECTN34 (ECTX then we hit it extra hard 4 more times) on the [weak layer](#) about 70 cm down. But overall snowpack was upright and it seemed to be settling down more than we thought. But then as we approached the ridge we triggered 5 separate large collapses ("Whumphs"), all on WSW/SW slopes (between 8700 and 9200 ft). Pole probes revealed a light crust about 12 inches down.

Number of slides

0

Number caught

0

Number buried

0

Trigger

Skier

Problem Type

Persistent Weak Layer

Snow Observation Source

[Collapsing in Republic Creek](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Red Flag

Advisory Year

[22-23](#)