

Collapse in Cooke

Republic Creek

Cooke City

2/5/2024

Code

Latitude

44.98550

Longitude

-109.94100

Notes

We skied south of Cooke City and dug a [snowpit](#) at 9,761' on a west facing slope. We had an ECTP21, 40 cm below the surface (16" down). There was 6-8" of new snow from the weekend above 4" of soft old snow, on top of 4" of a pencil- hard [slab](#), then the soft sugary facets to the ground. ECT broke below the hard [slab](#) at the top of the facets (photo). I had one [collapse](#), 10-12' wide near treeline where there was little more wind-[loading](#)/effect (photo).

The unstable test score, very poor snowpack structure, and [collapse](#) indicate a person could easily [trigger](#) a large avalanche on steep slopes.

Snowed lightly on and off all day with a couple cm accumulation. Wind was light-moderate out of the southwest with mostly overcast skies.

Number of slides

0

Number caught

0

Number buried

0

Snow Observation Source

[Unstable snowpack near Cooke](#)

Slab Thickness units

centimeters

Single / Multiple / Red Flag

Red Flag

Advisory Year

[23-24](#)