

Buried Weak Layers in Cooke

Date

Mon, 01/30/2023 - 15:40

Activity

Snowmobiling

We rode up to Henderson Bench and then rode up the Goose Lake drainage. We dug two pits today, and we found buried weak layers that failed and propagated in both pits. On Henderson Bench (NE [aspect](#)) there was 7' of snow (HS 213 cm), and we got an ECTP28 on a layer of buried [surface hoar](#) 2.5' below the surface. We also dug on a west [aspect](#) above Goose Creek. There was 6' of snow (HS 190 cm). The 14" of new snow had a SWE of 1.7". Here, we got an ECTP 14 on a layer of near surface facets and [surface hoar](#) 1.5' below the surface. After two days of finding buried weak layers that failed and propagated on different aspects, it's apparent that triggering an avalanche on these buried weak layers is possible throughout the area.

Region

Cooke City

Location (from list)

COOKE CITY

Observer Name

Dave Zinn, Alex Haddad