Town Hill Alex Marienthal Stability: HS:130 Layer Notes: Cooke City 01/11/2025 - 10:30am Air Temperature: PF:50 15-0cm: Problematic layer MT Co-ord: 45.02916N, -109.94159W Sky Cover: OVC Elevation: 8881 ft Slope Angle: 15° Precipitation: S-1 Aspect: 60° Wind Loading: no Wind: Light Breeze Specifics: Recent avalanche activity on similar slopes; Recent avalanche activity on different slopes Crystal ρ Size Moisture kg/m^a Stability tests & Laye Form 130 *1 120 +(/) 110 100 -/ 90 -/(•) 80 0.1-0.3 . 70 . 0.5-1 60 . 50 . 0.5 40 8 1-2 6-10 V PST35/100 (End) @34cm

I K P 1F 4F F Notes: *ECTX, but propagated with 2 extra hits (ECTP32) on surface hoar @ 34, for this test the back of the column was not isolated fully below the surface intentional, but ended up being interesting). The other two tests broke on the basal facets and the surface hoar layer did not break. Regardless, both

30

20

10

0

0(8)

1-2

2-3

ECTP25 @15cm ECTP27 @15cm

-ECTX +2, not cut well*

Advisory Region Cooke City Longitude -109.94W Latitude 45.03N Cooke City, 2025-01-12