Hector Plow Affected Rocky Mountains

Sue Gould 04/19/2024 - 9:30am Co-ord: CA

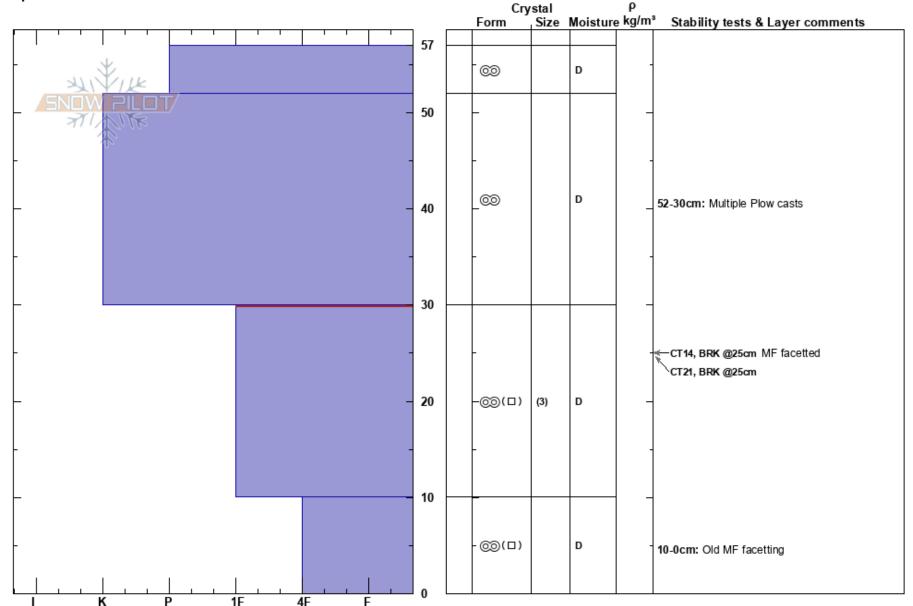
Elevation: 1850 m Slope Angle: 21° Aspect: W Wind Loading: Specifics:

Sky Cover: FEW

Wind: Calm

Stability: HS:57 Air Temperature: -10°C **PF**:1 Precipitation: NO

Layer Notes: 52-30cm: Multiple Plow casts 30-10cm: Problematic layer 10-0cm: Old MF facetting



Notes: Very strong upper layer resulting from multiple plow casts. Failure would not likely occur in the more faceted lower pack unless isolated as in a column test. Location of profile was somewhat protected from solar due to the forested area just to the west. This allowed less overall shrinking of the snowpack compared to unplowed site on the opposite side of the highway where afternoon solar was more pronounced.