

20170109 Snow King

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01/09/2017 - 12:40pm

Stability: Poor

HS: 109

Layer Notes:

77-76cm: Problematic layer  
75.8-45cm: would expect NSF...  
43-41cm: old wind skin

WY

Co-ord:

Air Temperature: -1°C

Sky Cover: X

Precipitation: S1

Wind: W Light Breeze

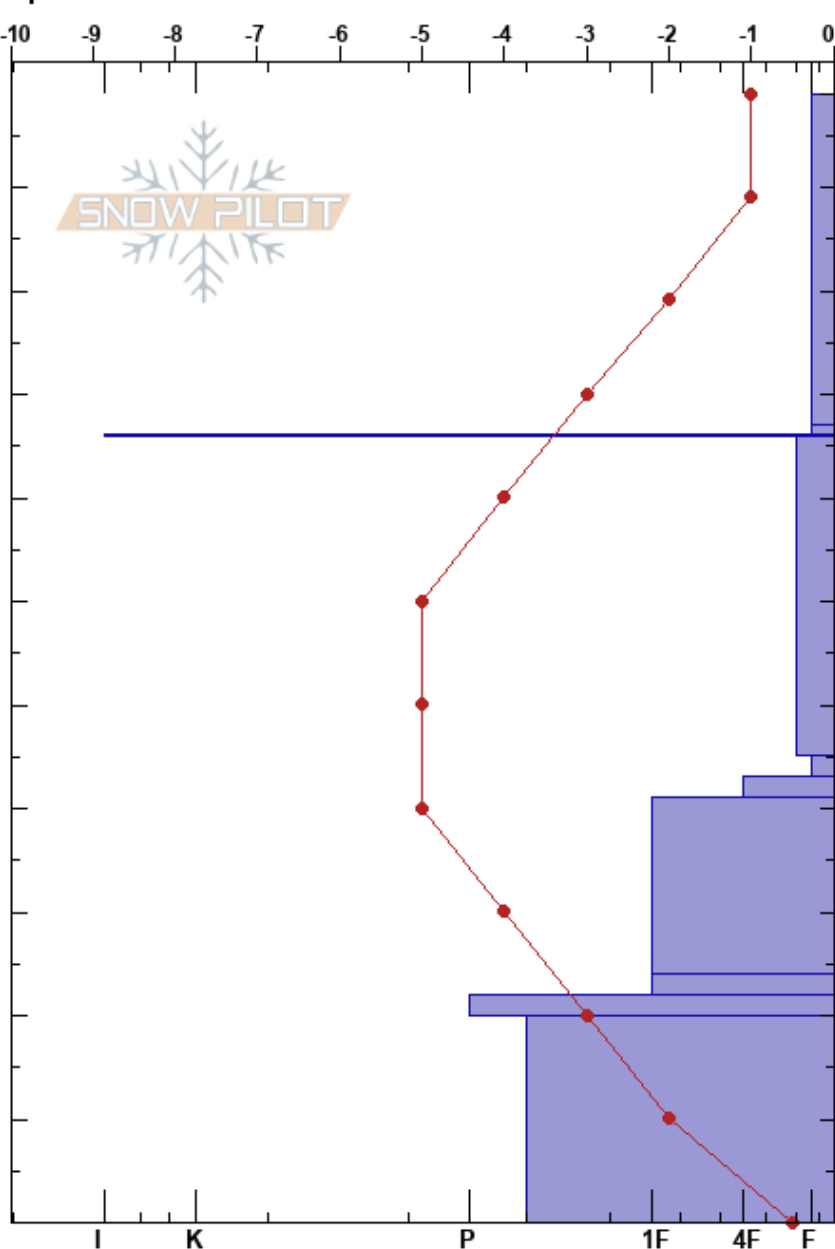
Elevation: 7650 ft

Slope Angle: 27°

Wind Loading: yes

Aspect: 290°

Specifics:



Form	Crystal Size	Moisture	$\rho$ kg/m <sup>3</sup>	Stability tests & Layer comments
+	0.3			← CT3, RP @97cm repeated at CT3 ← CT7, RP @93cm Repeated at CT5
⊖	0.1-0.3			← CT10 @77cm Repeated at CT11 ← ECTN11 @77cm Repeated at ECTN12 ← PST20/100 (Arr) @77cm no slab cohesion ← STE @77cm
●	0.3-5			75.8-45cm: would expect NSF...
⊖	1-2			← CT14, BRK @45cm Repeated CTM BRK
⊖	0.5-1			43-41cm: old wind skin
⊖	2			
□	0.5			
⊖	0.5			
●	1-2			

**Notes:** Pit dug in the upper reaches of the start zone for Scotty's. South winds at ridge tops but the wind was coming from the West in this terrain feature. The primary concern is facets above a 2mm ice lens possibly formed by rime on the 7th pm or 8th am. No propagation was observed but as the overlying slab thickens and gains tensile strength I would become more concerned about propagation on this weak layer. Today the overlying slab was fist hardness and propagation was quick to arrest however shears were easy.