

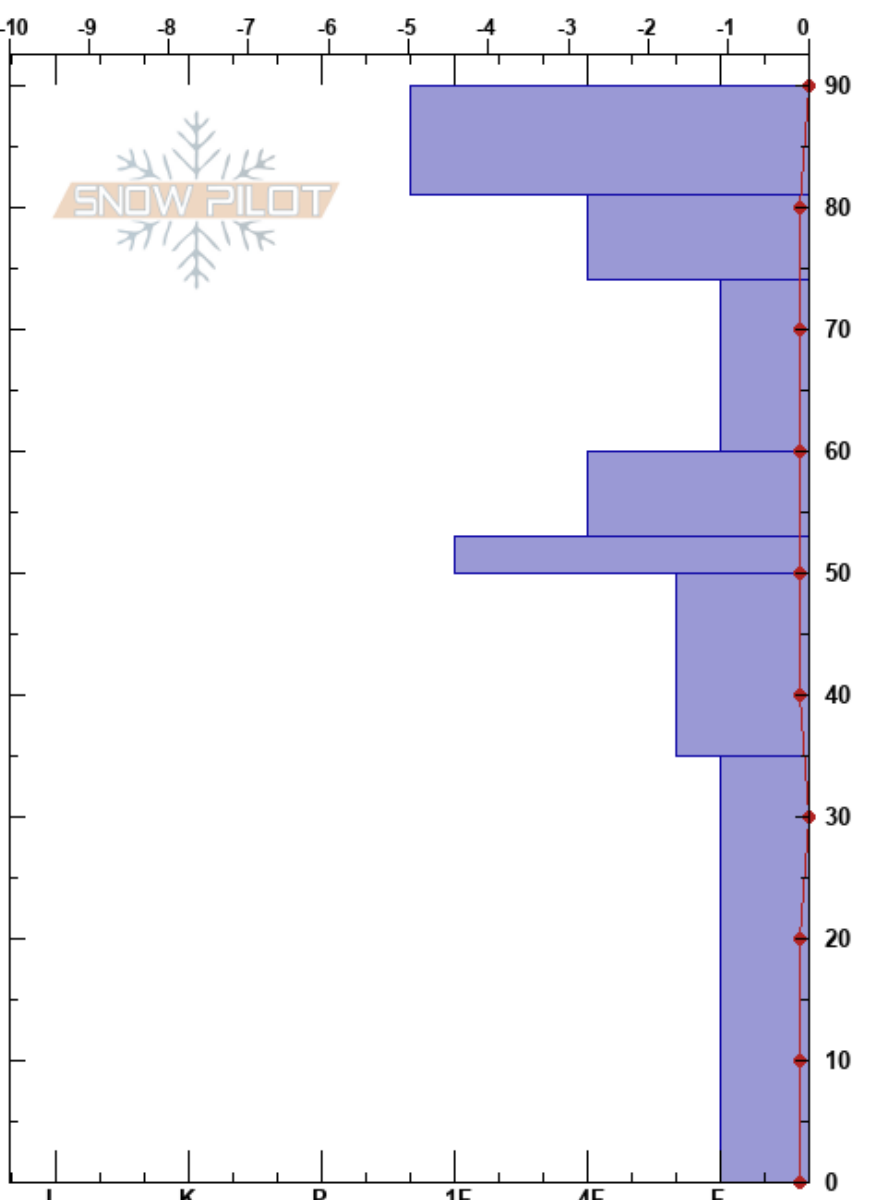
Research Site 1  
 Bridger Range  
 MT  
**Elevation:** 1930 m  
**Aspect:** 15°

McKinley Talty  
 03/18/2017 - 10:30am  
**Co-ord:** 45.84510N, -110.90279W  
**Slope Angle:** 20°  
**Wind Loading:**

**Stability:** Poor  
**Air Temperature:** 9.8°C  
**Sky Cover:** FEW  
**Precipitation:** NO  
**Wind:**

**HS:90**  
**PF: 5**  
 90-81cm: SWE = 31.5 mm  
 81-74cm: SWE = 28.0 mm  
 74-60cm: SWE = 35.0 mm  
 60-53cm: SWE = 22.4 mm  
 53-50cm: SWE = 7.33 mm  
 [More Layer Comments below]

**Specifics:** Recent avalanche activity on different slopes; Instability rapidly rising



Elevation (cm)	Crystal		Moisture	$\rho$ kg/m <sup>3</sup>	Stability tests & Layer comments
	Form	Size			
90	∨	1-2	M	350	90-81cm: SWE = 31.5 mm
80	⊕	1-3	M	400	81-74cm: SWE = 28.0 mm
70	⊕	2-3	M-W	250	74-60cm: SWE = 35.0 mm
60	⊖	1-2	M	320	60-53cm: SWE = 22.4 mm
50	⊙⊙	2	M-W	244	53-50cm: SWE = 7.33 mm
40		1	M-W	280	50-35cm: SWE = 42.0 mm
30				280	
20	∧	2-3	M-W		35-0cm: SWE = 98.0 mm
10					
0					

**Notes:** Natural signs of instability observed in the region. Natural wet avalanches could be seen, as well as "whumping" in the afternoon. Did not ski any slope.. Additional Layer Comments: 35-50cm: SWE = 42.0 mm; 0-35cm: SWE = 98.0 mm;