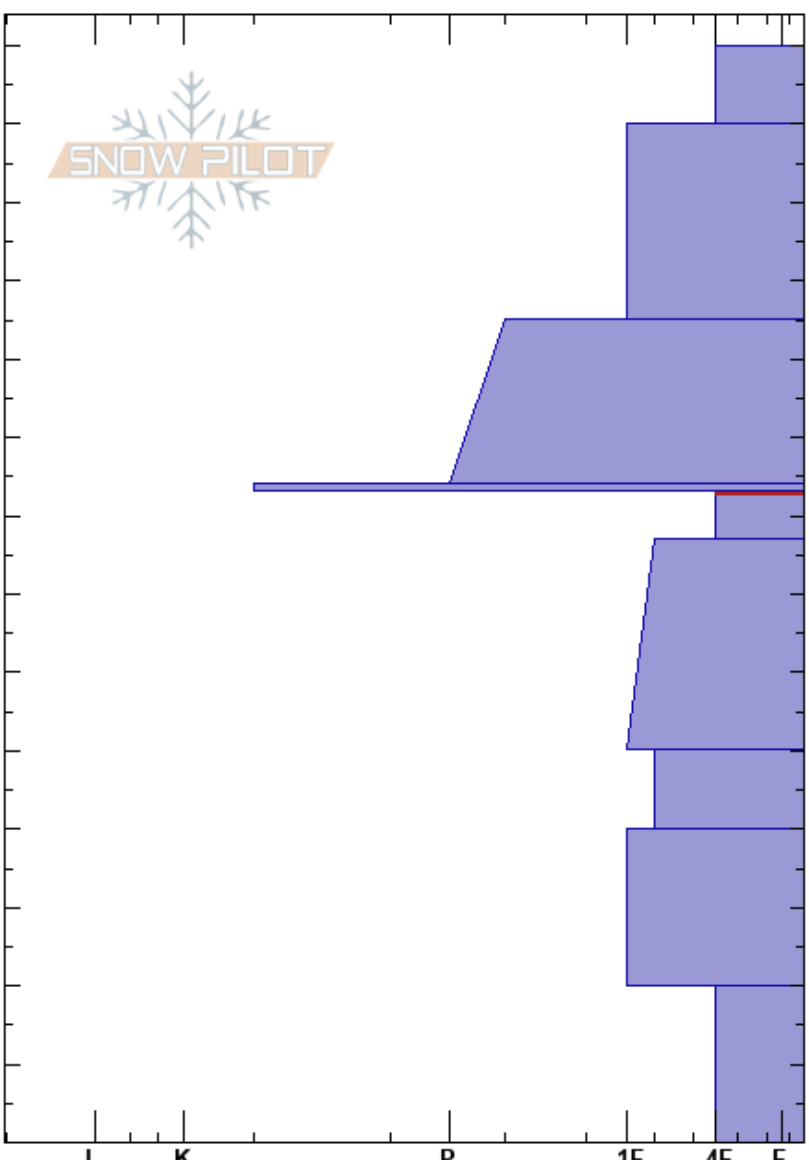


Vallecito Reservoir  
 San Juan Range  
 CO  
**Elevation:** 8400 ft  
**Aspect:** 330°  
**Specifics:** Recent avalanche activity on similar slopes

Chris Bilbrey  
 02/26/2023 - 10:30am  
**Co-ord:** 37.36954N, -107.57186W  
**Slope Angle:** 35°  
**Wind Loading:** previous

**Stability:**  
**Air Temperature:**  
**Sky Cover:** BKN  
**Precipitation:** S-1  
**Wind:** SW Moderate

**HS:** 140  
**Layer Notes:** 83-77cm: Problematic layer



Depth (cm)	Crystal		Moisture	$\rho$ kg/m <sup>3</sup>	Stability tests & Layer comments
	Form	Size			
140	∅	0.3			
130-140	/ (∇)	0.3-0.5			
110-130	/ (∇)	0.3-0.5			
90-110	/ (•)				
83	⊙⊙				CT21, SP @83cm CT15, SP @83cm 2x ECTP17 @83cm
75-83	∅ (⊖)	0.5-1			
55-75	⊖	0.5-1			
45-55	⊖	1-2			
25-45	⊖	1-2			
10-25	□ (∧)	2-4			CT24, SC @10cm

**Notes:** Crown profile dug at the site of a fatal avalanche accident. The avalanche broke in a 4F hard layer of faceted snow grains below a K- hard crust 1 cm thick. The crown depth ranged from 40 to 75 cm deep. Around the steepest part of the slope, the avalanche broke deeper into a 4F hard layer of Depth Hoar/ Faceted Grains at the ground.