

# Snow Pit Profile

Palace Butte-Hyalite

Gallatin, MT

Elevation (ft) 9660

Aspect: 140

Specifics: We skied slope.

Observer: Mark Staples

Thu Dec 22 12:00:00 MST 2011

Co-ord: 45.41837 N 110.97996 W

Slope: 26

Wind loading: no

Stability on similar slopes:

Air Temperature: C

Sky Cover: Clear

Precipitation:

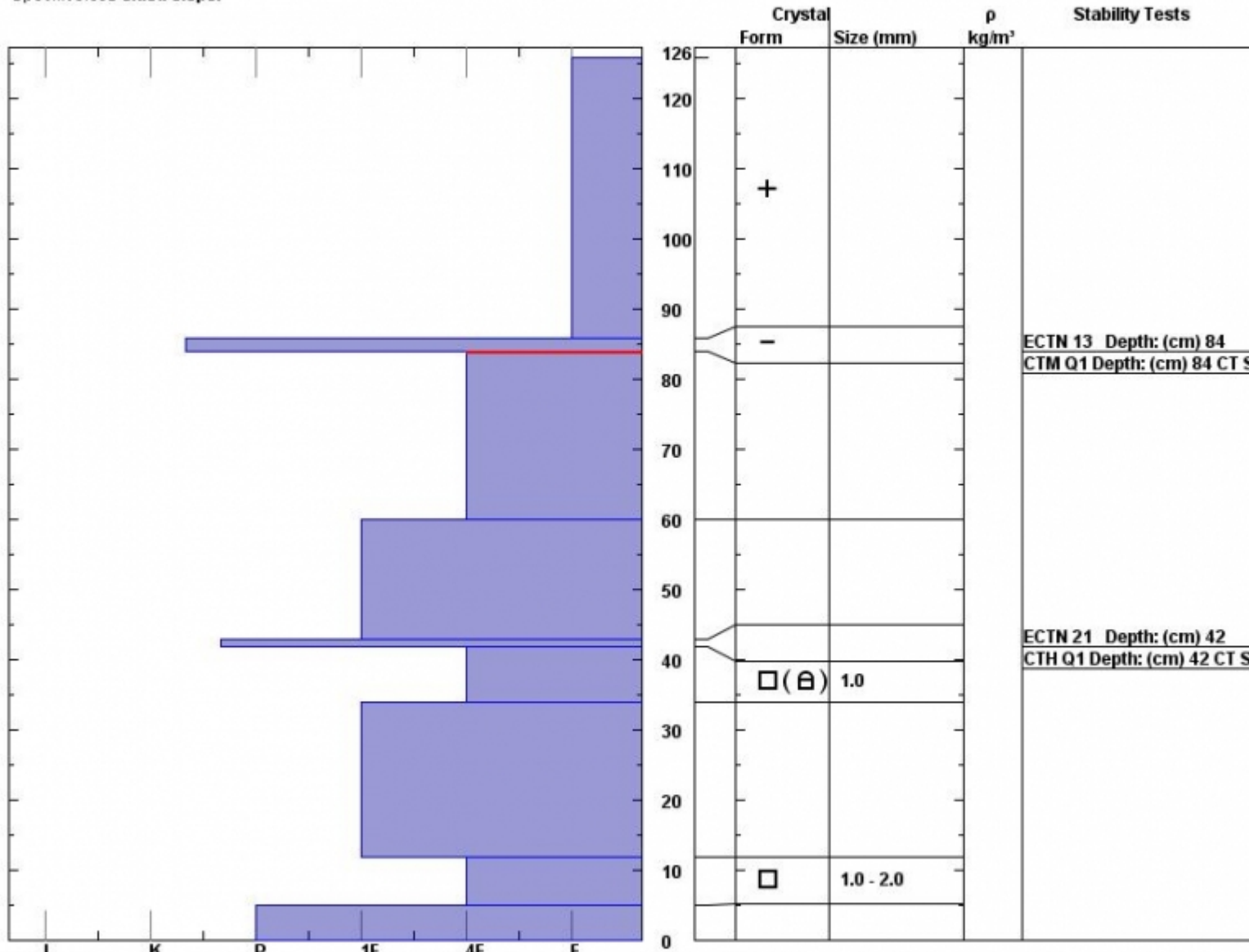
Wind:

Stability Test Notes:

Layer note

60-84: Pro

faceting u



Notes: Storm on previous day delivered 0.8 inches SWE in valley below, easily 1 inch of SWE higher and the first major load of the season. I was surprised to get NO collapsing and could only see 1 nat. avalanche from atop Palace Butte. Stability test were unreactive given the recent load. Nearby pit b Armitage got similar tests results. Nsf's just under the 86-84 crust. Wind needed to stiffen the new snow for ava's at 84cm.

Advisory Region  
Northern Gallatin  
Longitude  
-110.98W  
Latitude  
45.42N

Forecast link: [GNFAC Avalanche Advisory for Fri Dec 23, 2011](#)  
Northern Gallatin, 2011-12-23