

ABMRA-Final Exam

Bret Rhinesmith

Stability:

HS:125

Layer Notes:

Bighorn Range

02/07/2021 - 3:00pm

Air Temperature: -17°C

PF:70

125-105cm: 6 Feb 2021 Storm Layer

WY

Co-ord: 44.59966N, -107.50839W

Sky Cover: OVC

PS: 10

105-96cm: 5 Feb 2021 Storm Layer

Elevation: 9410 ft

Slope Angle: 20°

Precipitation: NO

75-70cm: Hard Layer over Soft

Aspect: 22°

Wind Loading: yes

Wind: SW Light Breeze

70-60cm: Buried wind slab

60-35cm: Upper part of PWL

[ More Layer Comments below ]

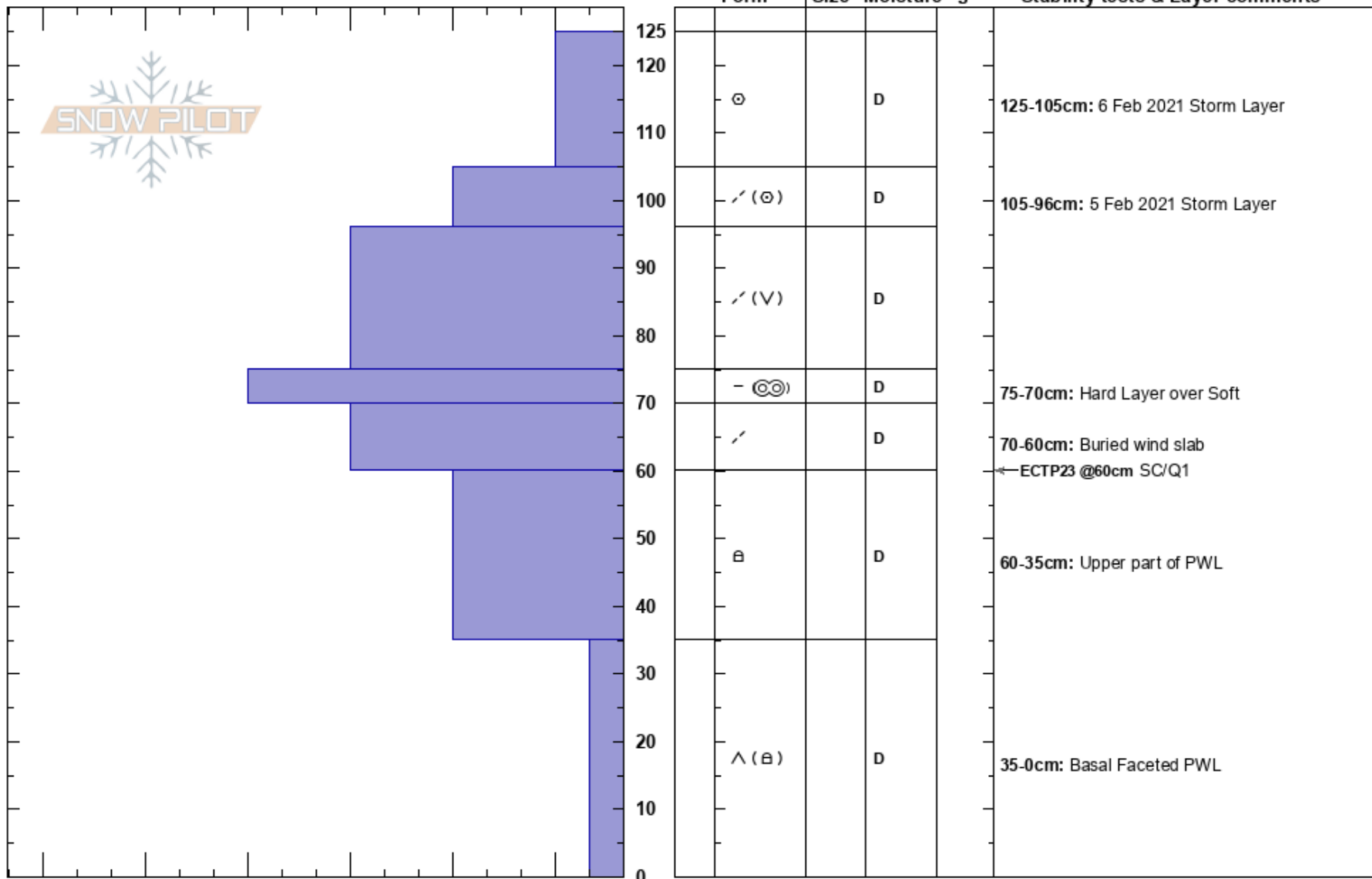
Specifics: Pit dug in a Ski Area; Pit is representative of backcountry; Collapsing, localized; Cracking; We skied slope

Crystal

ρ

Form Size Moisture kg/m³

Stability tests & Layer comments



Notes: When skinning on ridge, there was collapsing and crack propagation (approximately 30 m). We selected lower slope angle for digging the pit. Based on observations, we selected low angle (<20 deg) terrain for descent.

Additional Layer Comments: 35-60cm: Problematic layer; 0-35cm: Basal Faceted PWL;