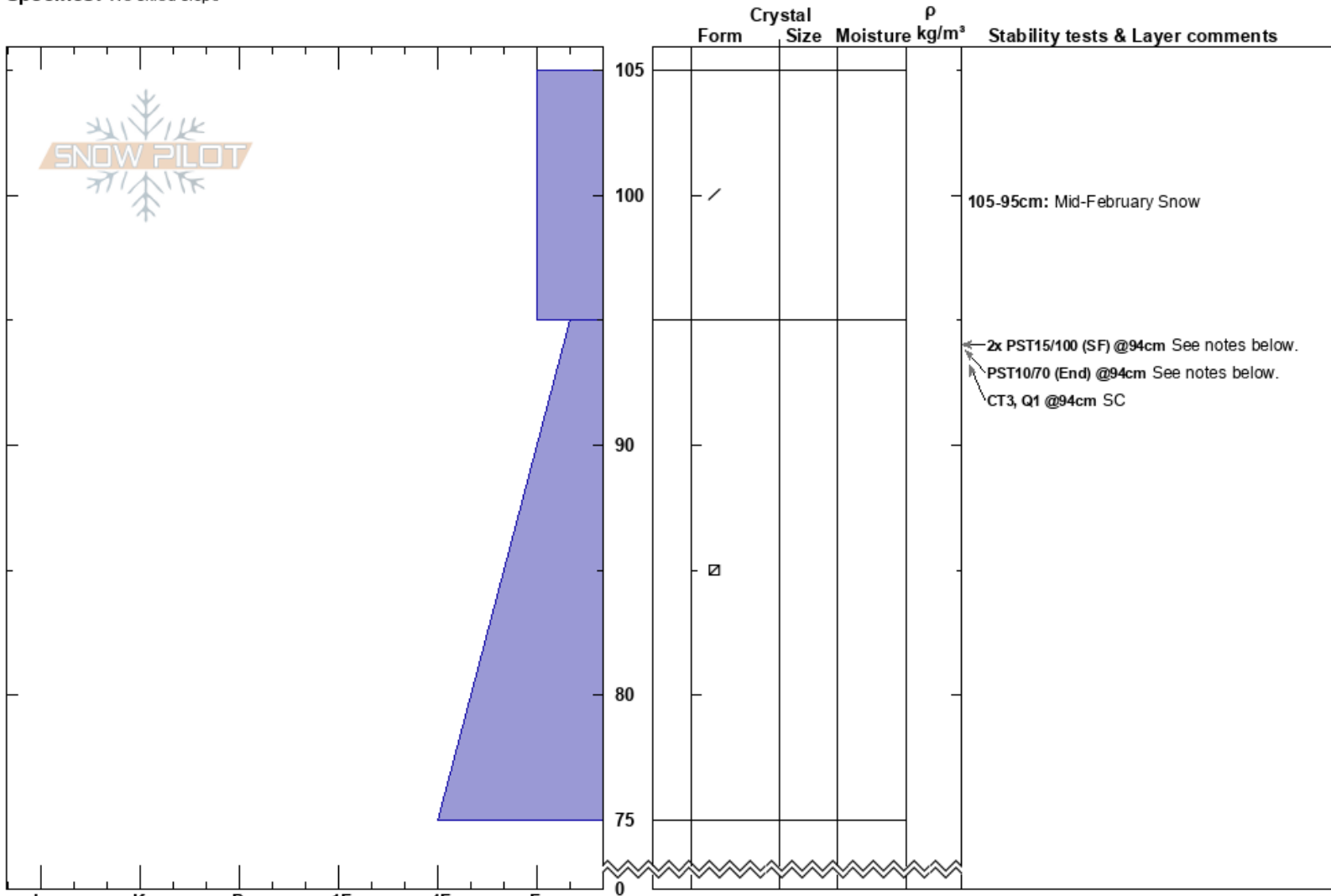


Doyle Peak
 Kachina Peaks
 AZ
 Elevation: 10389 ft
 Aspect: 20°
 Specifics: We skied slope

Troy Marino
 02/21/2022 - 11:30am
 Co-ord: 35.33450N, -111.64240W
 Slope Angle: 26°
 Wind Loading:

Stability:
 Air Temperature:
 Sky Cover:
 Precipitation:
 Wind:

HS: 105
 Layer Notes:
 105-95cm: Mid-February Snow
 95-75cm: Problematic layer



Notes: The top layer of mid-February snow was about 10cm thick and we got a score of PST 15/100 SF @94cm with the slab fracture occurring at the same location as the saw, 15cm. We loaded another 20-30cm of snow on top of undisturbed snowpack and let it sinter for 2 hours. We isolated a new PST column. When we performed the new loaded-slab simulation PST, we got the same result PST 15/100 SF. But this time the slab fracture went about 15 cm further back. We kept running the saw up the remaining PST column, and the slab propagated a fracture to the end, PST 10/70 End. Not standardized, but information nonetheless. This suggested that a thicker or more cohesive slab may have the means to propagate a failure through the NSF layer.

On Feb 22-24, the area accumulated ~50cm of new snow, along with wind loading.

On Feb. 26th, groups reported widespread cracking and collapsing in this area. See image. Several groups backed off avalanche prone slopes, due to cracks, collapsing, and ECTP results. No naturals or skier triggered avalanches reported.

A nearby pit had a thin crust between the mid-February snow and NSF layer.