Navajo Point Brianhead Southwest Utah

UT Elevation: 10519 ft

Aspect: N

Specifics: We skied slope

Ian Dempsey 02/09/2024 - 2:00pm

Co-ord: 37.68656N, -112.86552W

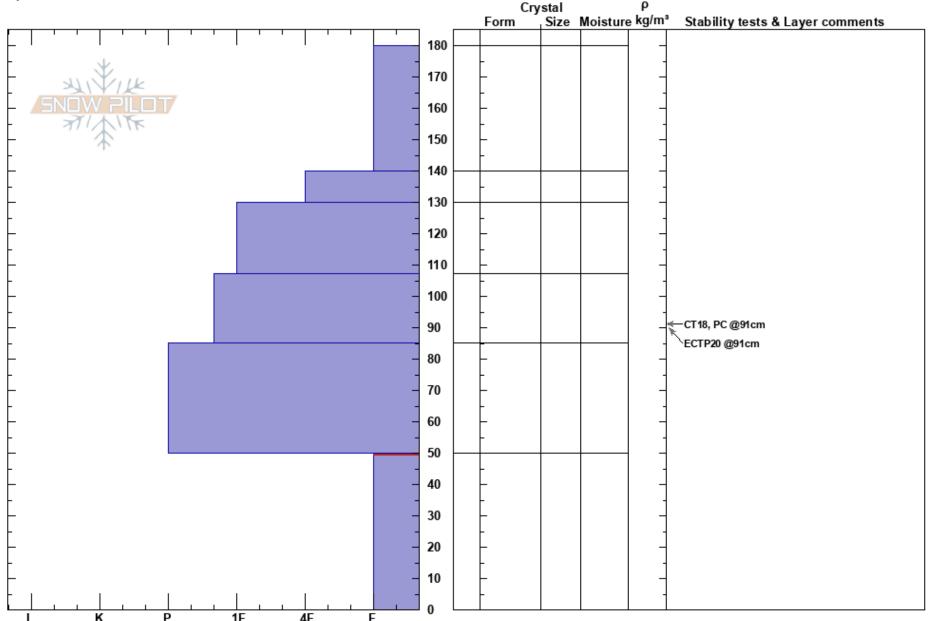
Slope Angle: 25° Wind Loading:

Stability: Good Air Temperature: 16°F **HS**:180 Layer Notes: **PF**:75

PS:30

50-0cm: Problematic layer

Sky Cover: OVC Precipitation: S-1 Wind: Calm



Notes: My layer of greatest concern is still the persistent weak layer located between 50 cm and 0 cm. This layer was greater than 1 meter below the top of the snowpack, so my CT and ECT did not test this layer. I did get fractures in both tests at the interface between my pen hard and 1F+ layer at 91 cm, as well as at 142 cm at a density change in the storm snow. The fracture at 91 cm did propagate in the ECT, but it did not easily slide off the block in my CT. When I did pull on my column in both the ECT and CT, the column failed at the persistent weak layer interface at 50 cm but did not fail at 91 cm or 142 cm. I'm not sure what this means, but it was interesting.