

LEVEL 2 TERRAIN CHOICE ACTIVITY

Directions:

1. One person from the group should **open up the terrain photo and Topo Map** linked to S Face Herman below and **share their screen**. That person can then toggle between the activity directions below and the photo/map.

South Face Herman ([Terrain Photo](#)) ([Topo Map](#))

2. For your assigned scenario below, given the avalanche problem and descriptions, utilize the annotate function on the **Terrain Photo** to:
 - a. **Discuss what observations you could make** to reduce your uncertainty with the avalanche problem.
 - b. **Identify an up track** that most avoids the avalanche problem for the day. If timing is a factor, take note of that! If in your opinion no safe route exists through the terrain, come up with a statement as to why.
 - c. **Identify a down track** that most avoids the avalanche problem for the day – same notes as above.
 - d. **Place “X” Stamps on 3 potential Trigger Points** for the avalanche problem described.
 - e. **Circle 3 terrain traps to avoid.**
3. **Take a screenshot** of your terrain photo/topo map!

South Face Herman ([Terrain Photo](#)) ([Topo Map](#))

SCENARIO 1

Avalanche Hazard: **Moderate** Upper and Middle Elevations. **Low** Lower Elevations.

Avalanche Problem: Persistent Slab – NW-N-NE Aspects – Middle and Upper Elevations. Possible – Small-Large (D1-D2).

Weather: Cold (high of 25F) and clear with calm winds.

Snowpack: A buried layer of surface hoar (SH) 30-40cm down on some shaded, sheltered northerly aspects has produced large avalanches in recent weeks, but no observed avalanches or buried SH found by observers on other aspects.

SCENARIO 2:

Avalanche Hazard: **Moderate** AE (All Elevations). Loose Wet – SW-S-SE Aspects in PM – Lower and Middle Elevations. Likely – Small-Large (D1-D2).

Weather: 5" of new snow overnight. During the day, clear skies, and high temperatures in the low 30's with calm winds expected.

Snowpack: Beneath the 5" of snow overnight is a stout, supportable rain crust. Beneath this crust are no layers of concern.

SCENARIO 3:

Avalanche Hazard: **Considerable** All Aspects (AE). **Avalanche Problem:** Storm Slab - All Aspects and Elevations (AA+E) - Likely - Large (D2).

Weather: 7" new snow overnight, low of 24F with light winds. During the day: Overcast, with increasing temperatures to a high of 32F by 2PM. 5-8" Snow expected throughout the day (mostly after 10AM) and calm to light winds.

Snowpack: Beneath the 7" of new, low density snow is a layer of decomposing fragments 4F-1F in hardness. No layers of concern further down.