



# PM Operational Hazard and Risk Assessment

Date: 20190123 Time: 1631 Guides Present: McCormick

## Field Weather Summary:

Elevation Observed		Sky		Precipitation		Estimated Wind @ Ridgeline		Temperature (C)		Snow Depth (cm)		
Low	High	AM	PM	AM	PM	Speed (MPH)	Direction	High	Low	HN	HST	HS
7500	9200	OVC	BKN	S-1	S1	Light G Mod	WNW	-4	-10	10	10	130

## Summary of today's weather trends and factors including pressure, visibility, radiation, snowfall distribution, wind drifted snow:

Light snow showers with light and cold WNW wind all day. Low visibility, no snow transport observed. PP appeared to be heavily rimed, almost graupel around midday.

## Snowpack Observations:

### Summary of observations including penetration, snowpack tests/location, relevancy/results; layer extent, past avalanche occurrences:

Ski Pen: 30-40cm. Boot Pen: Full Inseam. Hand pits and pole pokes on Solars revealed K-hard Melt-Freeze layer at Old/New Interface with FCcr below (down 40cm). Hand Shears failed in the Storm Snow with dirty shears. No collapsing or Cracking observed.

## Avalanche Observations:

Date	Number	Size	Location	Trigger	Type	Inclination	Aspect	Elevation	Comments:
									Low Vis Day

## Assessment of the Avalanche Problem:

Layer of Interest	Avalanche Character		Likelihood of Triggering		Terrain Feature	Confidence
	Problem	Forecast Size	Sensitivity	Spatial Distribution	Elevation/Aspect	
Date; Depth	Persistent; Deep; Cornices; Glide	Destructive Potential	Un-reactive; Stubborn; Reactive; Touchy	Isolated; Specific; Widespread	Location/Run Name/Start zone/Shape/Incline	Low; Mod; High
Nov/Dec Basal FC, 120cm	Deep Persistent Slab	D3	Stubborn	Specific	Steep, upper-elevation, wind-loaded rocky terrain	
1/21, 20-40cm	Wind Slab	D1-D2	Stubborn	Isolated	Upper Elevation Wind-Loaded Terrain	

## Avalanche Hazard Summary:

### Summarize the character of the primary concern including the date/depth/distribution of the problem/weak layer. ID strategies for identifying the primary concern. What information is lacking?

Primary Layer of Concern still 2018 Basal FC / DH. Seems to be fairly widespread with more concerning FCcr layers on Solars. Not much slab character sitting on top of this layer except for exposed upper-elevation zones.

## Terrain Use Strategies:

### Summarize terrain choices, features committed to and avoided, timing.

Avoided avalanche terrain. Skied up to 32\*

## Strategic Mindset:

Status Quo      Comments: