



PM Operational Hazard and Risk Assessment

Date: 20190122 Time: 1500 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	9000	CLR	BKN	-	-	Light	NW	-1	-10	0	30	120

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

Cold and clear in the AM with sub zero temps, slightly inverted. Mercury rose quickly today as Clear skies and Calm winds persisted. BKN skies observed on my way back to town. Solars took some heat, felt wet on the last lap. Wind effect observed on N and W aspects near ridgeline. Ski Pen: 20-30. Boot Pen: Ground.

Snowpack Observations:

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

Storm snow seems to be bonding well to old snow. Was able to coax a propagating result on a loaded sun crust, but with fairly low shear quality (9000' SE: ECTP20 RP down 40 cm at Old/New Interface on advanced FCcr). Primary layer of concern is Basal FC/DH.

Avalanche Observations:

Date	Number	Size	Location	Trigger	Type	Inclination	Aspect	Elevation	Comments:
20190121	1	D2-D3	Galena Peak	UNK	SS	35-40	NW	~10000	Large, propagating crown mid slope, appears to have run during the recent storm cycle.

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
11/22, 12/11; 120	Deep Persistent Slab	D3	Stubborn	Specific	Steep, upper elevation, rocky, 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 concern is the Low Probability, High Consequence Deep Persistent Slab on Basal FC and DH. Not much slab character sitting on top of this layer, but the supporting structure is not to be trusted.

Terrain Use Strategies:

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

Avoided avalanche terrain due to client preferences.

Strategic Mindset:

Status Quo Comments: