



PM Operational Hazard and Risk Assessment

Date: 20180305 Time: 1845 Guides Present: McCormick

Field Weather Summary:

Elevation Observed		Sky		Precipitation		Estimated Wind @ Ridgeline		Temperature (C)		Snow Depth (cm)		
AM	PM	AM	PM	AM	PM	Speed (MPH)	Direction	High	Low	HN	HST	HS
7000	8000	Overcast	Broken	S-1	-	Light-Mod	NW	-2	-8	Tr	Tr	180

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

Ambient temps cold all day. Wind picked up to Mod NW for a few hours midday, Light Snow Transport. Little to no solar input before 1400.

Snowpack Observations:

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

NW 8000': Ski Pen 10-40cm. Hand pits showed unconsolidated F PP down to 2/14 FC. Very hollow at 2/14 interface. Experienced only one audible collapse today (storm snow beginning to settle down). No slab character observed in storm snow yet, except for isolated wind slabs generally on E near ridgetop. Solars took a crust yesterday, poor skiing. Fairly widespread SH event observed in this zone yesterday, but not evident this AM when S-1 precip began.

Avalanche Observations:

Date	Number	Size	Location	Trigger	Type	Inclination	Aspect	Elevation	Comments:
									No new avalanches observed since yesterday.
									Had first good look at Galena slide. Impressive Slide Track.

Assessment of the Avalanche Problem:

Layer of Interest	Avalanche Character		Likelihood of Triggering			Terrain Feature	Confidence
	Problem	Forecast Size	Sensitivity	Spatial Distribution	Elevation/Aspect		
<i>Date; Depth</i>	<i>Loose; Wet; Storm; Wind; Persistent; Deep; Cornices; Glide</i>	<i>Destructive Potential</i>	<i>Un-reactive; Stubborn; Reactive; Touchy</i>	<i>Isolated; Specific; Widespread</i>	<i>Location/Run Name/Start zone/Shape/Incline</i>	<i>Low; Mod; High</i>	
2/14; 80 cm	Persistent Slab	D3	Reactive	Widespread	Thin, rocky convexiteles >35° seem most likely trigger point	Mod	
3/1; 60 cm	Storm Slab	D2	Stubborn	Widespread		Mod	

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?

2/14 layer seems to be an equal opportunity offender, showing natural activity on most aspects, elevations, and terrain shapes. Storm snow now starting to show signs of settlement. Wind-loaded and upper elevation zones now producing numbers to usher the 2/14 layer into Deep Persistent Slab territory.

Terrain Use Strategies:

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

Avoided slopes above 30°, as well as terrain traps and runouts.

Strategic Mindset:

Assessment **Comments:** Monitoring 2/14 layer as storm snow settles and gains slab character