



PM Operational Hazard and Risk Assessment

Date: 190416 Time: 1700 Guides Present: McCormick, Wood

Field Weather Summary:

Elevation Observed		Sky		Precipitation		Estimated Wind @ Ridgeline		Temperature (C)		Snow Depth (cm)		
Low	High	AM	PM	AM	PM	Speed	Direction	High	Low	HN	HST	HS
8000	9800	CLR	CLR	nil	nil		C					

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

Clear and calm all day. Strong solar radiation. Solars wet before noon.

Snowpack Observations:

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

Ski pen up to 35. Cold slopes starting to look and feel more like spring. Pit in Titus lake chutes showed hard hand shears on old/new interface (2/2?). HS 250cm. No CO, No CR.

Avalanche Observations:

Date	Number	Size	Location	Trigger	Type	Inclination	Aspect	Elevation	Comments:
190416	many	D1	Steep solars, rocky areas	Heat	Wet loose				
		2 D2	Mushroom ridge area, alpine, solars						

Assessment of the Avalanche Problem:

[Conceptual Model of Avalanche Hazard](#)

Layer of Interest	Avalanche Character		Likelihood of Triggering		Terrain Feature	Confidence
	Problem	Forecast Size	Sensitivity	Spatial Distribution	Elevation/Aspect	
<i>Date; Depth</i>	<i>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>
10-20 cm	Loose Wet	D2	Reactive	Specific	Steep, rocky, solars	High

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?

Wind slab observed in isolated locations near ridgeline but proved unreactive to ski cuts and hand shears. For the first time this season was unable to probe the Basal FC layer so have removed it from the list for this zone. Wet Loose proved to be the primary culprit for today's mission.

Terrain Use Strategies:

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

Skied 35-38° start zones on a variety of aspects. Avoided steep solars later in the day.

Strategic Mindset:

Status Quo / Spring Diurnal **Comments:**