



PM FORM 2018-19

Date: 20190124 **Time:** 1600 **Guides Present:** Pat, Matt, Dylan

Area/Zone/Drainage: Butterfield & Baker Peak Repeater

FIELD WEATHER SUMMARY:

Elev. Observed		SKY		Precip		Est Wind @ Ridgetop		Temperature (C)		Snow Depth (cm)		
HI	Low	AM	PM	AM	PM	Speed & Direction		Hi	Low	HN	HST	HS
10,170'	7,830'	CLR	CLR	NO	NO	Strong NW		-3	-6	0	35	90-120

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

Clear skies, moderate temps and lots of wind. NW wind increasing throughout day, pilot noted steady 40 knot wind at Butterfield summit. Mod amounts of wind transport, would have been more but so much had already moved. Solar's stayed cold.

AVALANCHE OBSERVATIONS:

NUM	TRIGGER	TYPE	SIZE	INC	ASP	ELEV	LOCATION	COMMENTS
Dozens	N	U	D2-3	30+	All	High and Mid	Baker Divide	Widely connected, down to the ground in many spots. Likely very recent based on crown/debris sharpness.
Few	N	U	D1.5	35+	NE-SE	High	Above baker road	Wind and cornice, today.

SNOWPACK OBSERVATIONS:

Summary of observations including: penetration, snowpack tests/location, relevancy/results, layer extent, changes through day:

Widespread wind effect on surfaces. Boot high powder skiing, storm snow settling out into F to F+. Pits generally showed weak base, DH 2-3mm, sudden failures in small column tests and propagation in PST but none in ECT's. No collapsing, or cracking observed.

Pit A: Buccal, 8,680', 30°, ENE, HS 110; CTM SC x2, PST 40/100 end x2, dn 100cm on 2-3mm FC dry. ECTn x2 on old/new interface dn 35cm.
 Pit B: E Flanks, 8,900', 25°, E, HS 120; CTM SC x2, ECTx, PST 40/100 end x2 dn 80cm FC/DHxr moist. CTM RP x2, ECTn, dn 35cm on old/new interface.
 Pit C: Cathy's, 8,650', S, HS 95; ECTp dn 90cm FC/DHxr moist.

Snowpack Structure: (Relevant layers of interest, how to identify them and distribution. Slab thickness and distribution. Average SN depths. Etc.) :

See attached photo's

ASSESSMENT OF THE AVALANCHE PROBLEM

Avalanche Characteristics			Likelihood of Triggering		Terrain Feature
Layer of Interest: Depth/Date	Type:	Size: (D/R-Scale)	Sensitivity:	Distribution:	Terrain: (Location, Aspect, Start Zones, Shape, Incline, Run Name)
80-100 / 1122	Deep Slab	3	Stubborn	Widespread	Steep, rocky, trigger points. Mid and upper elev

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 still lacking?

PWL is acting like a Deep PWL now with a 1f slab above and generally 90cm and lower in the SPX in this zone. Obvious weakness at DH/FC when probing and pole poking, problem is present at all aspects and elevations observed in this zone. Low likelihood and stubborn problem. No wind slabs observed even in exposed terrain today, likely too much wind.

TERRAIN USE STRATEGIES:

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

Dapple textures skied well, conditions deteriorated throughout day with the sustained winds. Committed to skiing shorter sections of terrain up to 35°. Avoiding "gut shots" especially in consequential terrain.