

MORNING HAZARD AND RISK ASSESSMENT:

location: SOUTH OF TETON PASS, TETONS, WY

DATE: 20180107 TIME: 0400 FORECASTER: DON SHARKE
SUNRISE: 0755 (121°) SUNSET: 1703 (239°) OPERATION/GROUP: JAC PRO 2 - AAI

LOCATION	TIME	SKY/ PRECIP	TEMPERATURE			WIND			SNOW/PRECIPITATION				
			CURR	MAX	MIN	SPEED	DIR	GUST	HN24	HN24W	DENS	HS	SETTLE
JHMR SUMMIT 10450	0300	N/O	14°F	23°	14°	13	WNW	23					
						24HR	24HR	24HR					
						-18	WNW	37					
RAYMER 9360'	0300	N/O	19	27	19	4	W	13	3"	0.31"	10%	55"	1"
						24HR	24HR	24HR					
						7	WNW	27					
JHMR BASE 6510'	0300	N/O	28	35	28				0.1	0.06"	N/O	7"	0"
									EST.				
KJAC 6200'	0400	OVU	CEILING @ 3500' AGL			~10,000' ASL			- slowly dropping				

RECENT AVALANCHE ACTIVITY SUMMARY:

L.E.A.S.T. = Location, Elevation, Aspect, Slope angle, Time and date
TYPE - TRIGGER - R/D SIZE - BED SURFACE - DEPTH

Last reported avalanche in the southern Teton was on January 3.
HIS-ASR-R2-D2-0 @ 40" on a 30° East Facing slope into Mosquito Creek running on December Drought Layer (DDL)

WEATHER FORECAST 12 - 24 HOURS:

Temp, Sky Cover, Precipitation (type/rate), Winds, Freezing Level, Confidence

Low clouds will lift to the ridge tops by 1100. Light snow or flurries @ the higher elevations through this evening. Daytime temps 20-24°F @ 8-9K. Winds light to moderate from WNW @ 10K. Gradual warming trend next 2 days w/ approaching trop on Tuesday Afternoon.



MORNING HAZARD AND RISK ASSESSMENT:

location *South Teton Pass*

date *20190107*

Check the relevant avalanche problems for the forecast period: **DETAIL BELOW**

Dry Loose Storm Slab Wind Slab Persistent Slab Glide Avalanche
 Wet Loose Wet Slab Cornice Fall Deep Persistent Slab

PROBLEM *PERSISTENT - DDL* **#** *1* **DEPTH** *45-120cm* ↓

ASPECT-ELEVATION	DISTRIBUTION	SENSITIVITY	LIKELIHOOD	D-SIZE	TREND
<input checked="" type="checkbox"/> 6K <input checked="" type="checkbox"/> 7.5K <input checked="" type="checkbox"/> 9K	<input type="checkbox"/> Isolated <input type="checkbox"/> Specific <input checked="" type="checkbox"/> Widespread	<input type="checkbox"/> Unreactive <input checked="" type="checkbox"/> Stubborn <input type="checkbox"/> Reactive <input type="checkbox"/> Touchy	<input type="checkbox"/> Very Unlikely <input checked="" type="checkbox"/> Unlikely <input type="checkbox"/> Possible <input type="checkbox"/> Likely <input type="checkbox"/> Very Likely	<input type="checkbox"/> D1 <input checked="" type="checkbox"/> D2 <input checked="" type="checkbox"/> D3 <input type="checkbox"/> D4 <input type="checkbox"/> D5	<input type="checkbox"/> Incr. <input checked="" type="checkbox"/> Same <input type="checkbox"/> Decr.

UNCERTAINTY
 Low Med High

NOTES
*DDL D over
 Thanksgiving CR
 Insufficient
 slab < 7500'*

PROBLEM *STORM & DRY LOOSE* **#** *2* **DEPTH** *10-20cm* ↓

ASPECT-ELEVATION	DISTRIBUTION	SENSITIVITY	LIKELIHOOD	D-SIZE	TREND
<input checked="" type="checkbox"/> 6K <input checked="" type="checkbox"/> 7.5K <input checked="" type="checkbox"/> 9K	<input type="checkbox"/> Isolated <input checked="" type="checkbox"/> Specific <input type="checkbox"/> Widespread	<input type="checkbox"/> Unreactive <input type="checkbox"/> Stubborn <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Touchy	<input type="checkbox"/> Very Unlikely <input type="checkbox"/> Unlikely <input checked="" type="checkbox"/> Possible <input type="checkbox"/> Likely <input type="checkbox"/> Very Likely	<input checked="" type="checkbox"/> D1 <input type="checkbox"/> D2 <input type="checkbox"/> D3 <input type="checkbox"/> D4 <input type="checkbox"/> D5	<input checked="" type="checkbox"/> Incr. <input type="checkbox"/> Same <input type="checkbox"/> Decr.

UNCERTAINTY
 Low Med High

NOTES
*HST ~ 20cm
 watch for wind
 loaded pockets*

PROBLEM **#** **DEPTH**

ASPECT-ELEVATION	DISTRIBUTION	SENSITIVITY	LIKELIHOOD	D-SIZE	TREND
	<input type="checkbox"/> Isolated <input type="checkbox"/> Specific <input type="checkbox"/> Widespread	<input type="checkbox"/> Unreactive <input type="checkbox"/> Stubborn <input type="checkbox"/> Reactive <input type="checkbox"/> Touchy	<input type="checkbox"/> Very Unlikely <input type="checkbox"/> Unlikely <input type="checkbox"/> Possible <input type="checkbox"/> Likely <input type="checkbox"/> Very Likely	<input type="checkbox"/> D1 <input type="checkbox"/> D2 <input type="checkbox"/> D3 <input type="checkbox"/> D4 <input type="checkbox"/> D5	<input type="checkbox"/> Incr. <input type="checkbox"/> Same <input type="checkbox"/> Decr.

UNCERTAINTY
 Low Med High

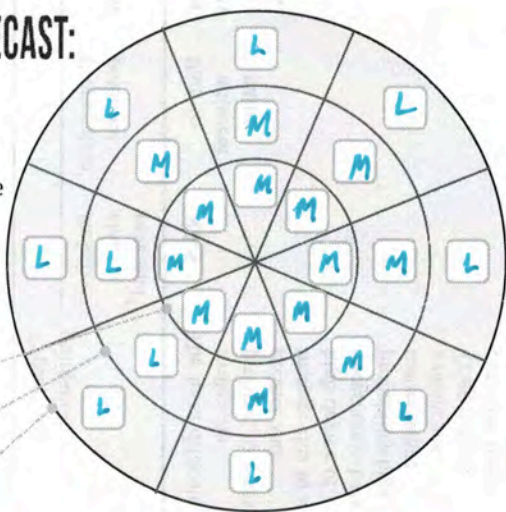
NOTES

12 HOUR FORECAST:

- L = Low
- M = Moderate
- C = Considerable
- H = High
- X = Extreme

ELEVATION:

- 6K
- 7.5K
- 9K



FORECASTER OBJECTIVES:

Avalanche
 Activity for DDL seems to be dormant. Field obs still show propagation below 7500' on E 1/2 in GTNP
 1) Verify/Deny DDL south of Teton Pass
 2) Create map of surface & near surface conditions including HV24, SH/NSF from last week.

DOES YOUR FORECAST VARY FROM THE LOCAL FORECAST? YES NO

Lower forecasted hazard in our specific zone

MORNING HAZARD AND RISK ASSESSMENT:


location
STP

date
20180107

RISK ASSESSMENT MATRIX FOR PERSISTENT

PROBABILITY	Very Likely	More Hazard				Most Hazard
	Likely					
	Possible					
	Unlikely		<u>PDL</u>			
	Very Unlikely	Least Hazard				More Hazard
		D1	D2	D3	D4	D5
		CONSEQUENCE				

TRAVEL/OPERATIONAL MITIGATIONS


hazards higher and to the right on the matrix require mitigations 

Generally dormant slab, but beware of outliers. Avoid exposure to large start zones & high consequence run-outs. Particular caution in areas of recent wind loading
Caution E $\frac{1}{2}$ < 9500'

RISK ASSESSMENT MATRIX FOR STORM/DL

PROBABILITY	Very Likely	More Hazard				Most Hazard
	Likely					
	Possible	<u>STORM DL</u>				
	Unlikely					
	Very Unlikely	Least Hazard				More Hazard
		D1	D2	D3	D4	D5
		CONSEQUENCE				

TRAVEL/OPERATIONAL MITIGATIONS


hazards higher and to the right on the matrix require mitigations 

Beware of areas with HST > 20cm & wind loaded areas. Should be readily recognizable. Biggest hazard is the increased load over DDL. Special caution > 9K E $\frac{1}{2}$

RISK ASSESSMENT MATRIX FOR NON-AVALANCHE

PROBABILITY	Very Likely	More Hazard				Most Hazard
	Likely	<u>PARKING LOT STRESS</u>				
	Possible					
	Unlikely					
	Very Unlikely	Least Hazard				More Hazard
		D1	D2	D3	D4	D5
		CONSEQUENCE				

TRAVEL/OPERATIONAL MITIGATIONS

hazards higher and to the right on the matrix require mitigations 

Likely congested parking @ Roadhead mid-day. Have alternative parking area with shuttle option ready

MINDSET OF THE GROUP:

- Assessment
- Stepping Out
- Status Quo
- Stepping Back
- Entrenchment
- Open Season
- Spring/Diurnal
- High Alert !

First day travelling in new groups in new terrain's