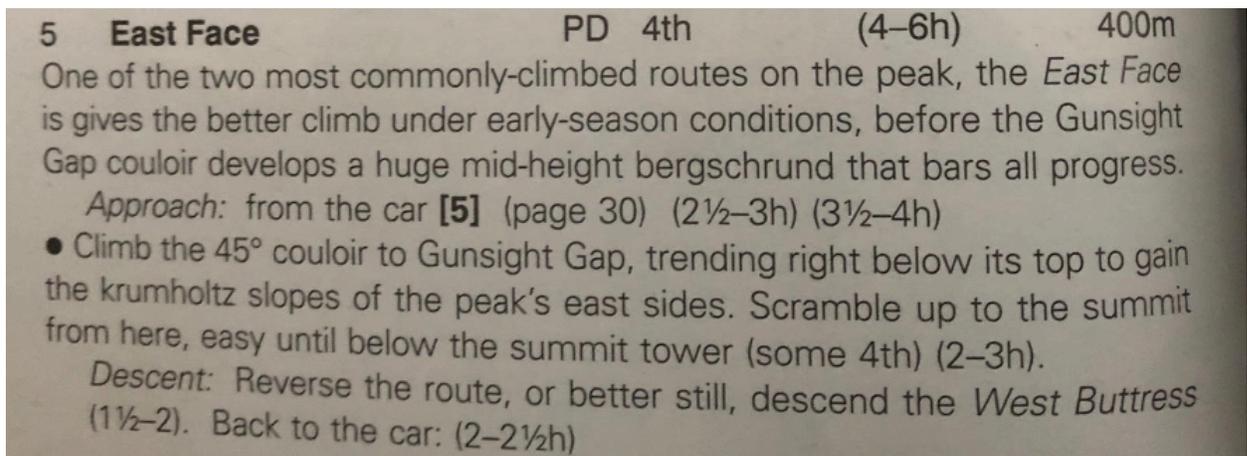


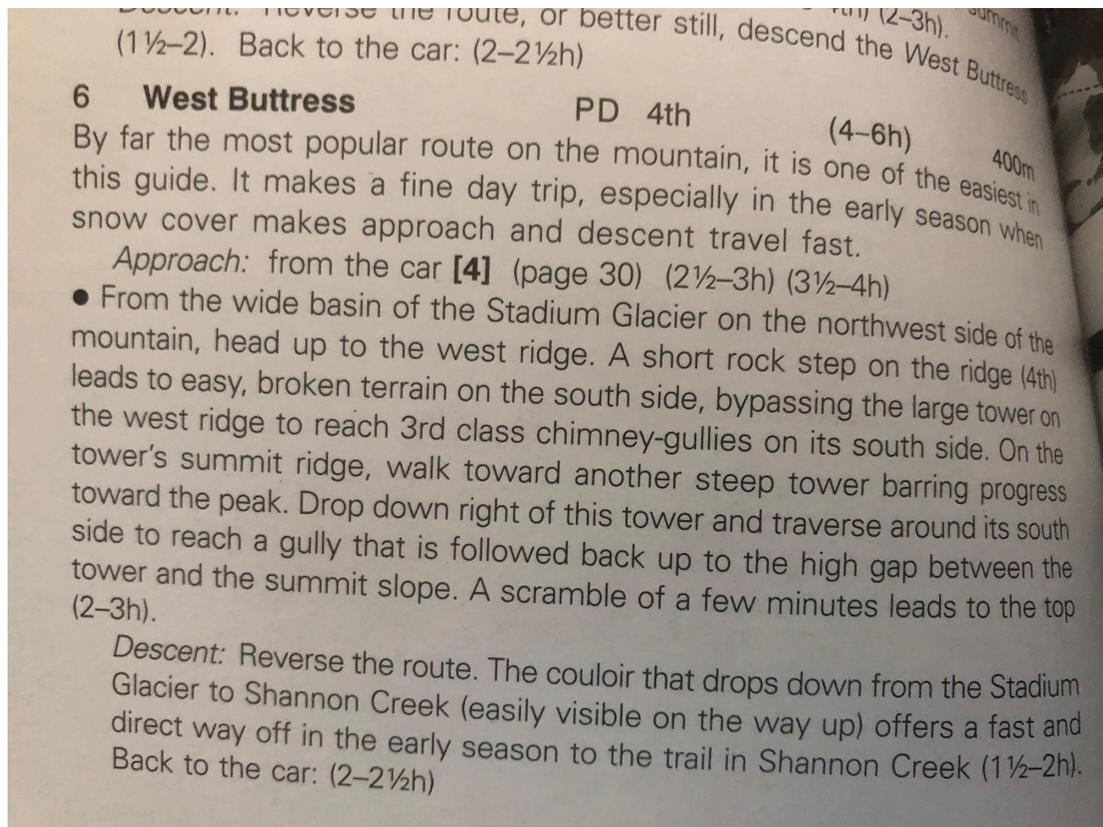
1. **Date Prepared:** July 8, 2022
2. **Mountain/Elevation:** Sky Pilot Mountain / 2031 m
3. **Route:** East Face / Gunsight Gap

Route Description:

**Ascent:** Alpine Select - Page 152, #5 East Face



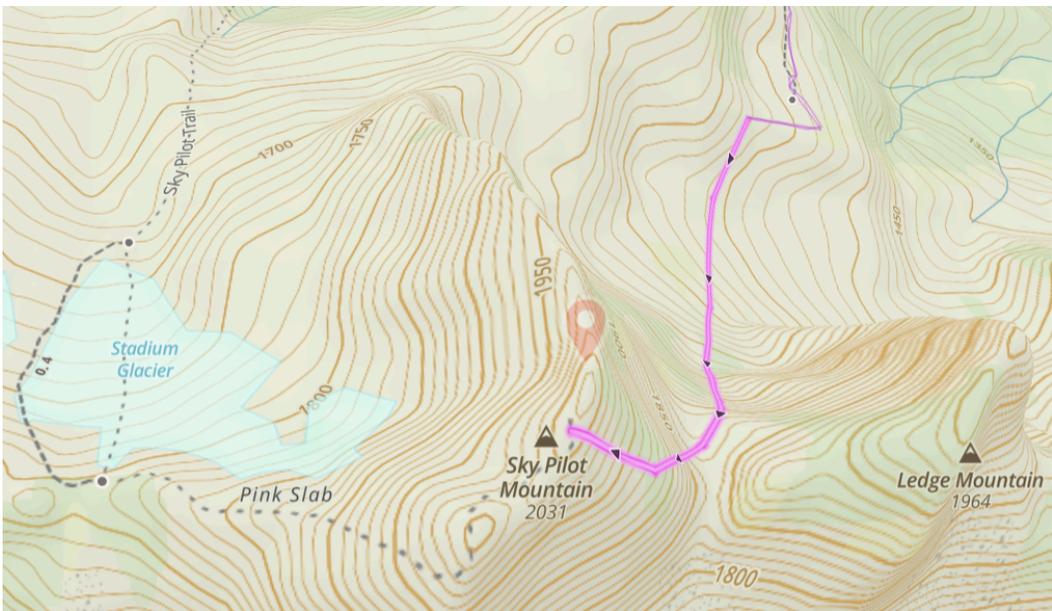
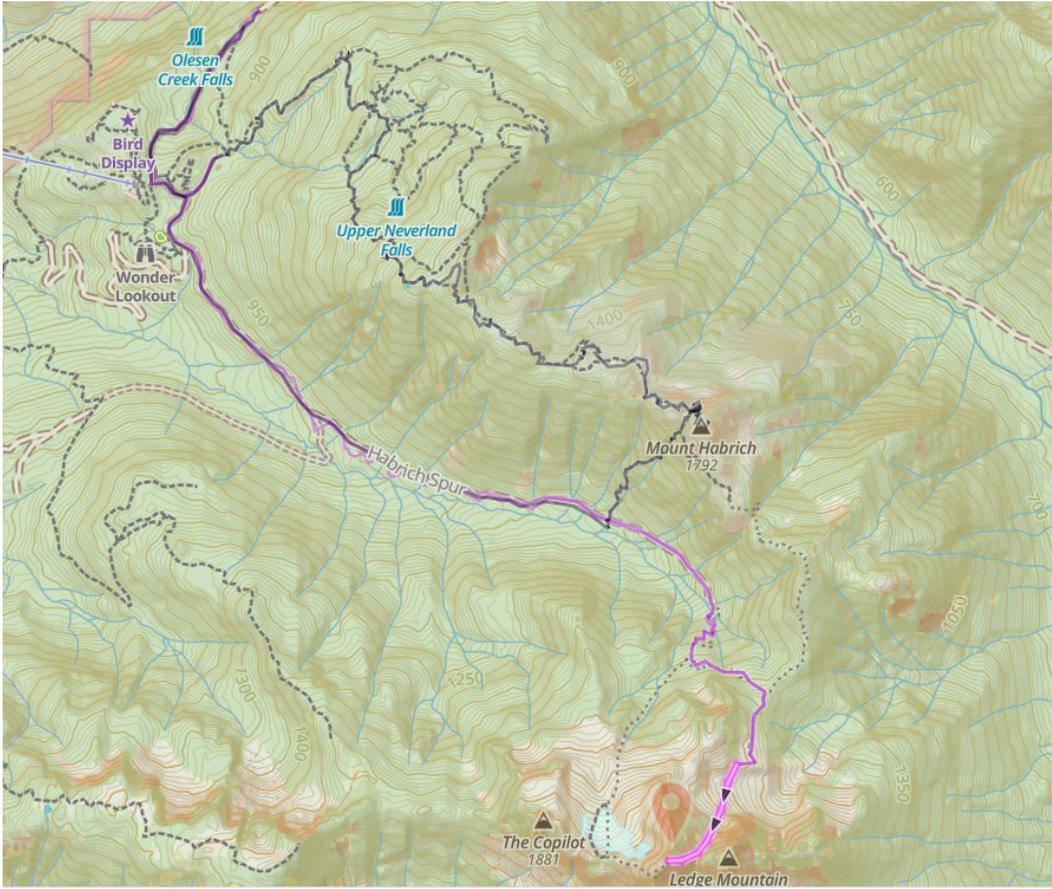
**Descent:** Alpine Select - Page 152, #6 West Buttress



SKY PILOT — SOUTH SIDE



GAIA view of the overall route (pink - ascent, dotted line down from Sky Pilot shows the West Buttress route) -



#### 4. Weather Forecast:

<https://avalanche.ca/weather/forecast>

#### Synopsis:

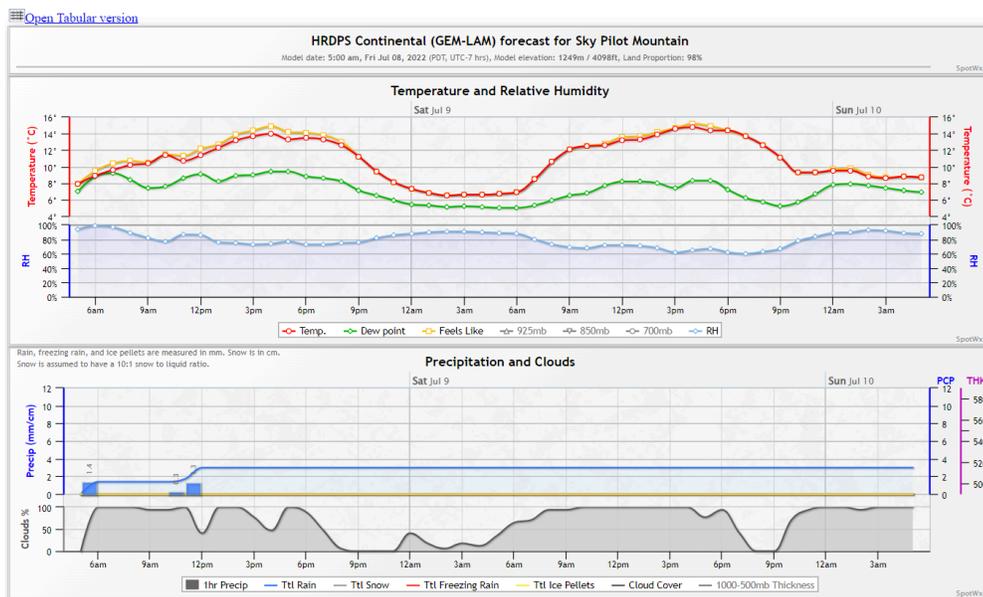
A broad upper trough over much of BC will continue to give widespread showers and scattered thunderstorms across the province today and Saturday. An upper-level disturbance will maintain showers and thunderstorms across northern BC during the period as well.

#### Yr.No: (Forecast for Sky Pilot Summit 2031 m)

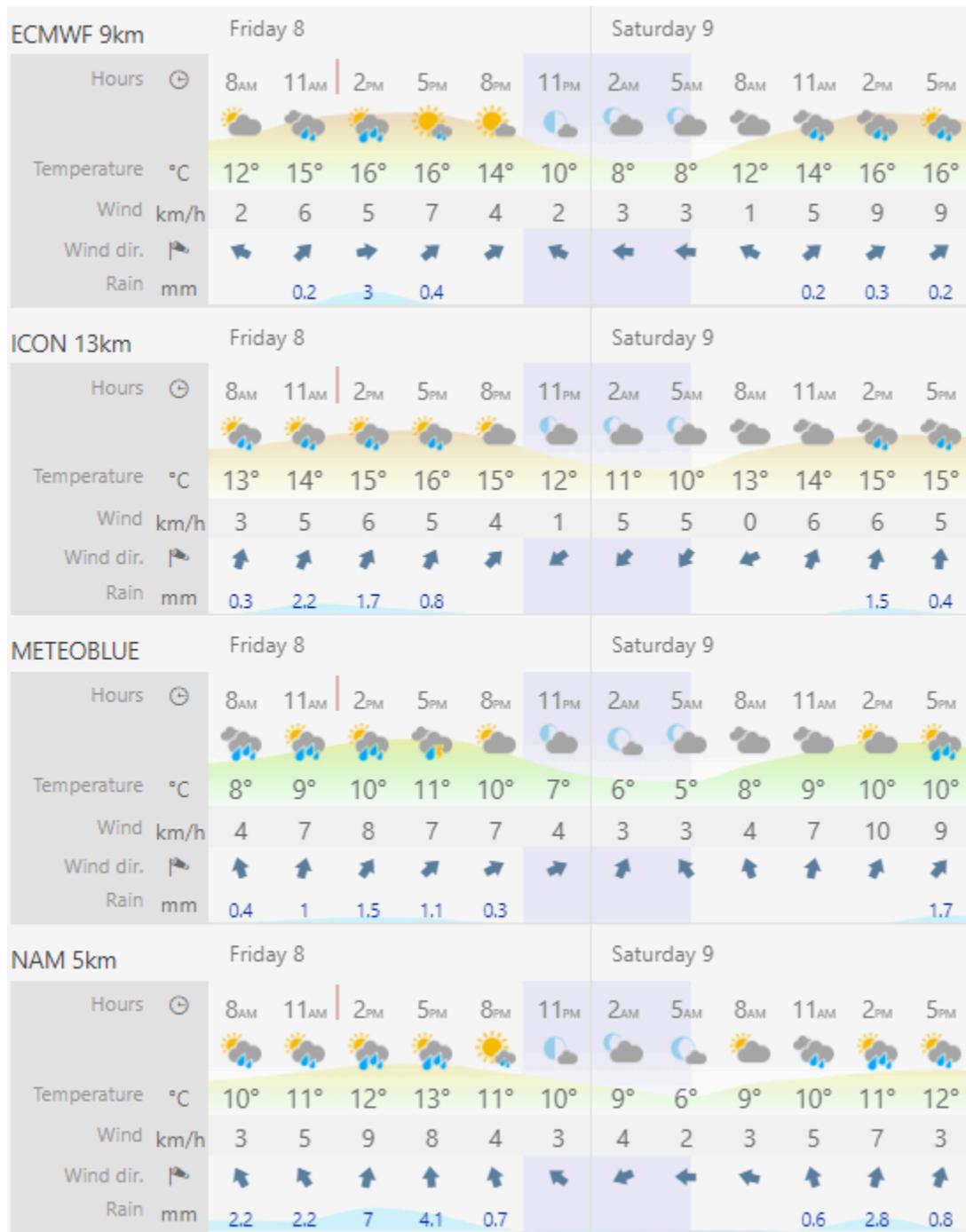
Saturday 9 July

Time	Weather	Temp.	Feels like	Precip. mm	Wind speed m/s	Pressure hPa	Humidity %	Dew point	Cloud cover %	Fog %	Low %	Middle %	High %
00		2°	2°		1 ←	1021	90	0°	58	0	2	4	56
01		2°	2°		1 ←	1021	91	0°	58	2	5	3	55
02		1°	1°		1 ←	1021	93	0°	59	10	12	1	54
03		1°	1°		1 ←	1021	95	0°	100	39	41	11	100
04		1°	1°		1 ←	1021	97	0°	100	58	60	11	99
05		1°	1°		1 ←	1021	99	0°	100	69	72	54	100
06		1°	1°		1 ←	1021	99	1°	100	6	21	31	100
07		3°	3°		1 ←	1021	91	2°	100	0	31	55	100
08		5°	5°		0	1022	82	2°	100	1	27	98	100
09		6°	6°		1 →	1022	75	2°	100	0	30	100	100
10		7°	6°		2 →	1022	71	2°	100	0	27	100	100
11		7°	6°	0.2	2 →	1022	72	2°	100	0	26	99	93
12		7°	6°	0.2	2 ↗	1022	73	2°	99	0	38	99	6

#### SpotWx: (HRDPS Model, lower elevation 1249 m)

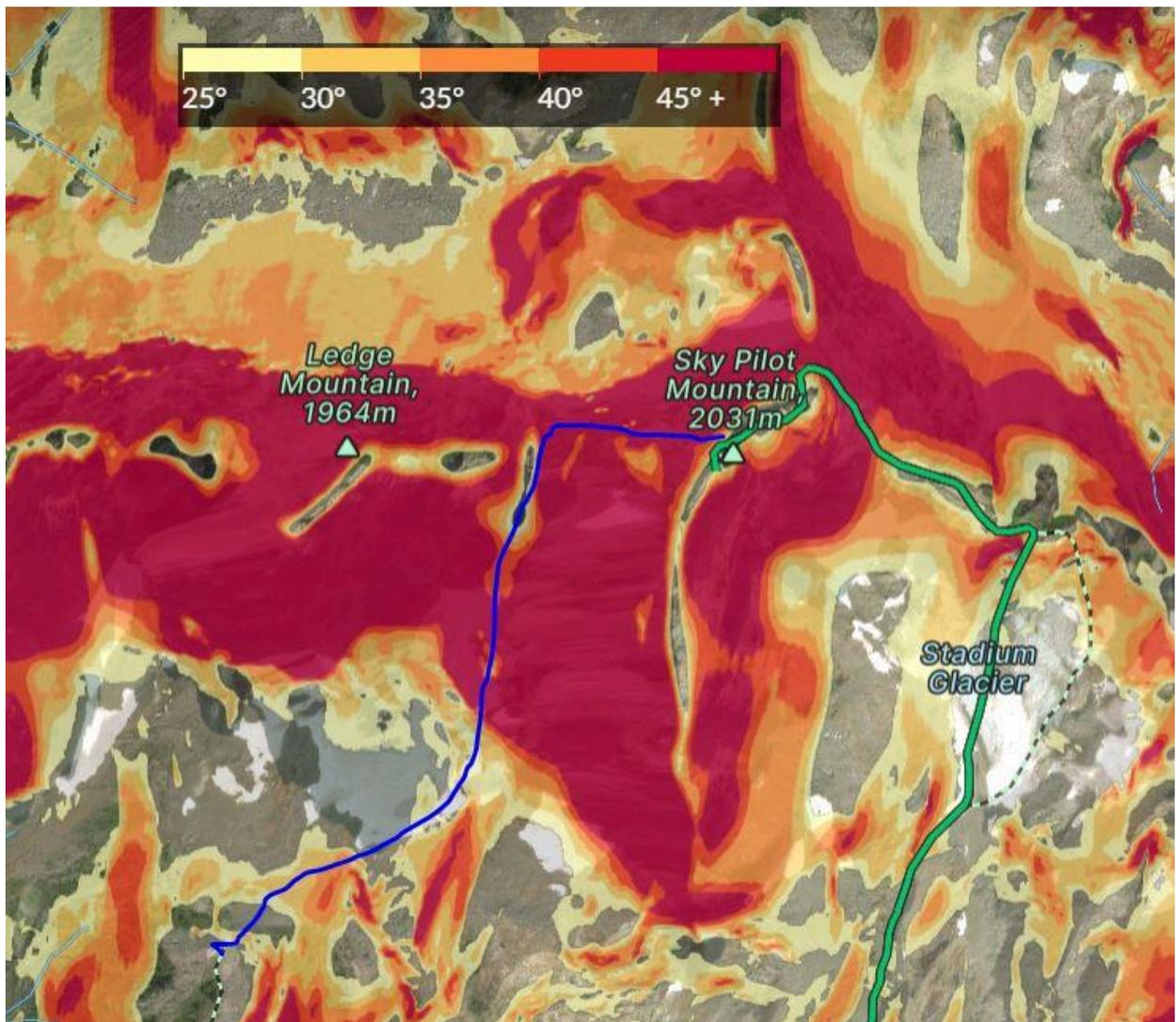


Windy:



5. Avalanche Risk Assessment:

FATMAP view of Avalanche Terrain (Blue - East Face route via Gunsight Gap, Green - descent route)



## Avaluator

### Avalanche Conditions Score

	Question	Score
Regional Danger Rating	Is the Public Avalanche Forecast danger rating considerable or higher? <i>Assuming "Considerable" with no recent forecast</i>	+1
Persistent Avalanche Problem	Is there a persistent or deep persistent slab problem in the snowpack? <i>Don't know</i>	-
Slab Avalanche	Are there signs of slab avalanches from today or yesterday? <i>Don't know</i>	-
Signs of Instability	Are there signs of snowpack instability including whumpfs shooting cracks or drum like sounds?	TBD
Recent Loading	Has there been loading within the past 48 hours including roughly 30cm of new snow or more, significant wind transport or rain? <i>No</i>	-
Critical Warming	Has there been a recent rapid rise in temperature to near 0 C, or is the upper snowpack wet due to strong sun, above-freezing air temperatures or rain? <i>Yes</i>	+1
Total		2

### Terrain Characteristic Score

	Question	Score
Slope Steepness	Is the slope between 30 and 35 degrees or steeper than 35 degrees? <i>Stadium Glacier is a low-angle pocket glacier with a small steep section near the West Ridge. Gunsight Couloir is 45 deg.</i>	+2
Terrain Traps	Are there gullies, trees or cliffs that increase the consequences of being caught in an avalanche? <i>No</i>	+0
Slope Shape	Is the slope convex or unsupported? <i>No</i>	-
Forest Density	Is the slope in the alpine, in a sparsely treed area or in open forest (cut-block, burn or wide-spaced glades)? <i>Yes</i>	+1
Total		3

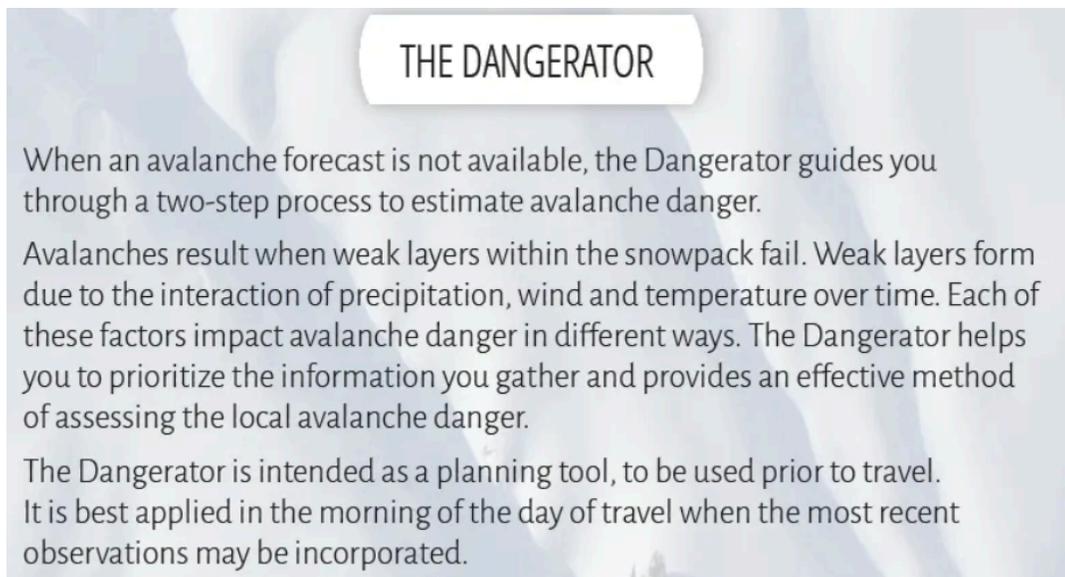
## Risk Rating

Use the terrain characteristics score (0-5) on the horizontal axis and the avalanche conditions score (0-6) on the vertical axis.

	0	1	2	3	4	5
6	Not recommended					
5	Extra Caution	Extra Caution	Not recommended	Not recommended	Not recommended	Not recommended
4	Normal caution	Extra Caution	Extra Caution	Not recommended	Not recommended	Not recommended
3	Normal caution	Extra Caution	Extra Caution	Extra Caution	Not recommended	Not recommended
2	Normal caution	Extra Caution	Extra Caution	Extra Caution	Extra Caution	Not recommended
1	Normal caution	Normal caution	Extra Caution	Extra Caution	Extra Caution	Extra Caution
0	Normal caution	Extra Caution				

Avaluator Risk Rating: **Extra Caution**

### 6. [Dangerator](#) (latest tool from Avalanche Canada)



### THE DANGERATOR

When an avalanche forecast is not available, the Dangerator guides you through a two-step process to estimate avalanche danger.

Avalanches result when weak layers within the snowpack fail. Weak layers form due to the interaction of precipitation, wind and temperature over time. Each of these factors impact avalanche danger in different ways. The Dangerator helps you to prioritize the information you gather and provides an effective method of assessing the local avalanche danger.

The Dangerator is intended as a planning tool, to be used prior to travel. It is best applied in the morning of the day of travel when the most recent observations may be incorporated.



**Critical Loading:** Do you expect roughly 30 cm or more of new snow, or significant wind, or rain during the period of 24 hours prior to and up to the end of your day? – *No, based on the current Weather Forecast*

**Critical Warming:** Do you expect a rapid rise in temperature to near or above 0 C or the upper snowpack to become wet due to strong sun, above freezing air temperatures or rain? *Yes (late in the day)*

**Recent Loading:** Has there been loading within the past 48 hours, including roughly 30 cm or more of new snow, significant wind, or rain? *No*

**Slab Avalanches:** Are there signs of slab avalanches in the area from today or yesterday? *Don't know*

**Persistent Slab Problem:** Is there a persistent or deep persistent slab problem in the snowpack?

*Don't know*

Overall Dangerator Risk Rating: **High**

Avalanche risk rating is high, but for our route, I feel the risk is low based on our route, early start and recent report.

## **7. Trip Plan:**

Likely cloudy Saturday AM, with low visibility around sunrise. Visibility should improve later in the morning as the difference between Temp and Dew point widens, lifting the cloud ceiling. Showers are expected at 11 am or later. Monday AM would be the best weather window but might not be feasible for the group. Can give Saturday a shot and see how it turns out.

Group: Neha, Holly, Jesse and Shashi

Saturday AM:

2 am - Leave from Langley / Port Coquitlam (Neha/Shashi)

3 am - Meet at David's Church (Jesse / Holly) and drive to Squamish - Shannon Creek FSR

4:30 am - Start from the Gate on Shannon Creek FSR

7-7:30 am: Base of Gunsight couloir at 1600 m

8:30-9 am – Sky Pilot Summit via East Face

12-1 pm - Back at the car via West Buttress route

For any reason, the group is not comfortable on the ascent via East Face (up to 4th class scramble) and the descent via West Buttress (especially on Pink Slab down climb) we will use the rope.

## **8. Gear list:**

[https://docs.google.com/spreadsheets/d/1bdhLLBFbUPSWzCv730AnP0JV8zPQmG7UH\\_\\_pQNx\\_zA0/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1bdhLLBFbUPSWzCv730AnP0JV8zPQmG7UH__pQNx_zA0/edit?usp=sharing)

## **9. Debrief / Post Trip Comments:**