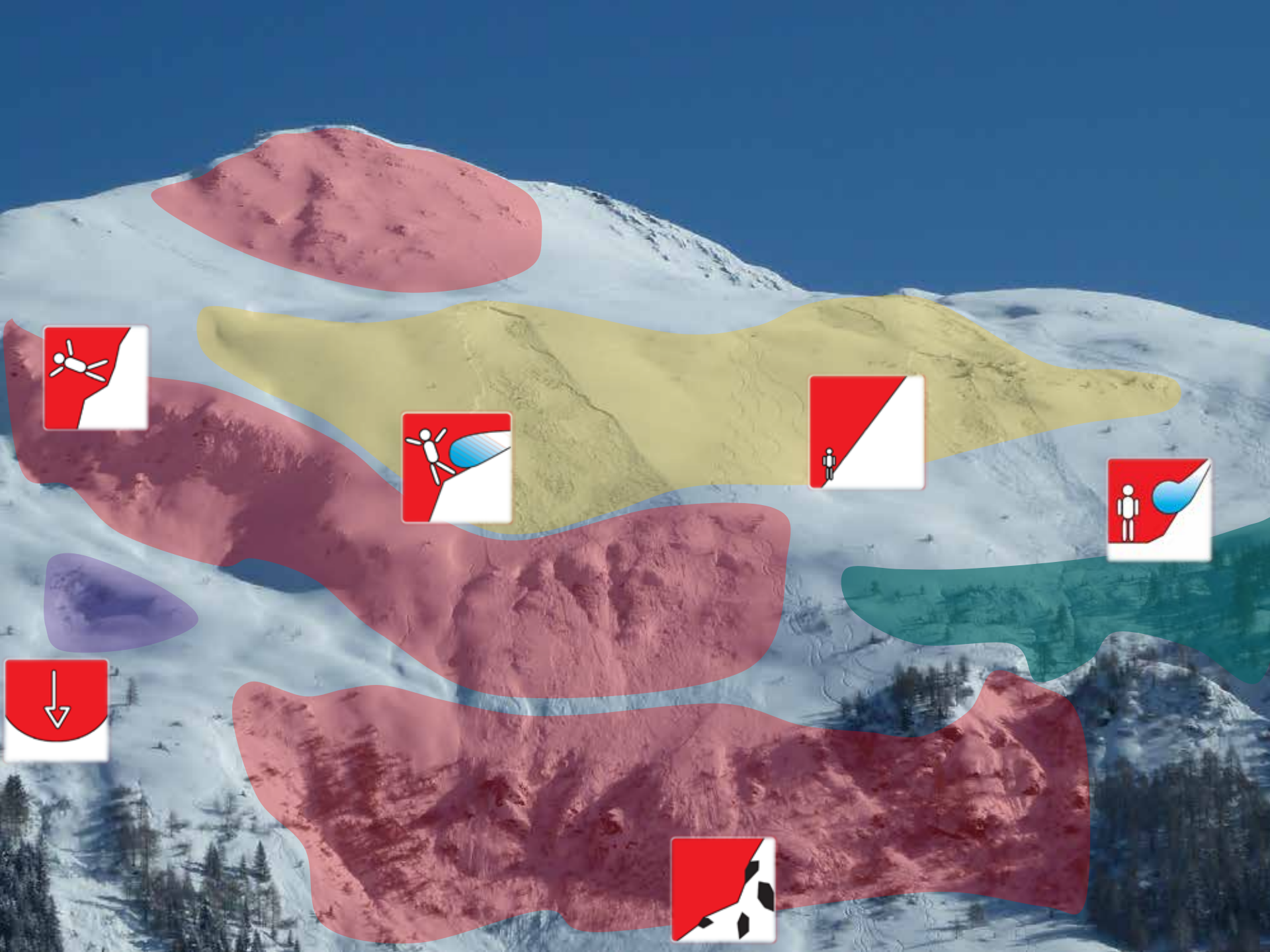


Schlüsselfaktor Gelände – revisited –

Alpinforum, 9. November 2013

A prominent case ...

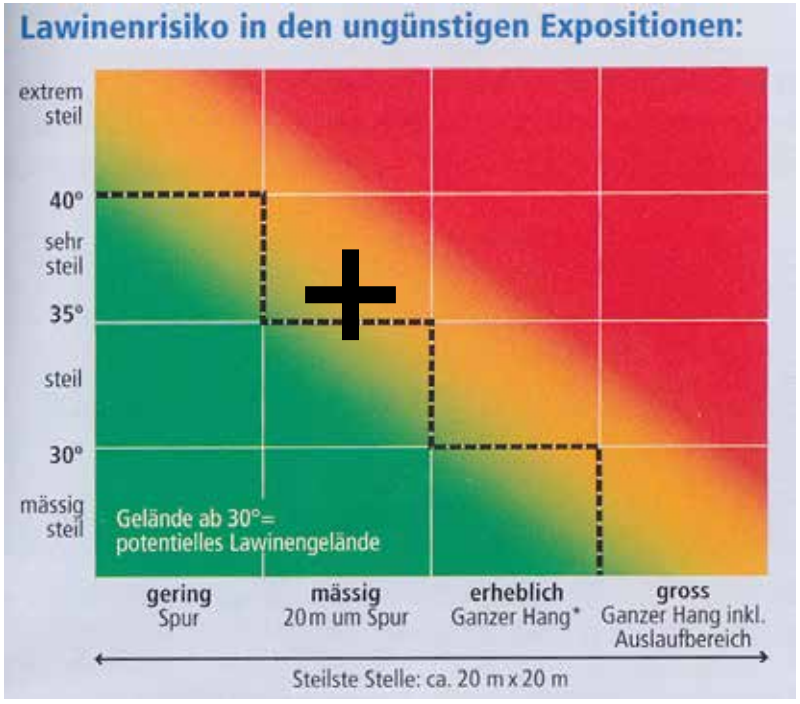
Photo: J. Schweizer



Strategies

Bulletin à Danger level + Terrain characteristics

Terrain à slope angle + aspect



Feeling save?

Photos: Patricia Weber


Not quite?
Conditions
People
Terrain
Photo: Patricia Weber

Terrain à Avalanche formation

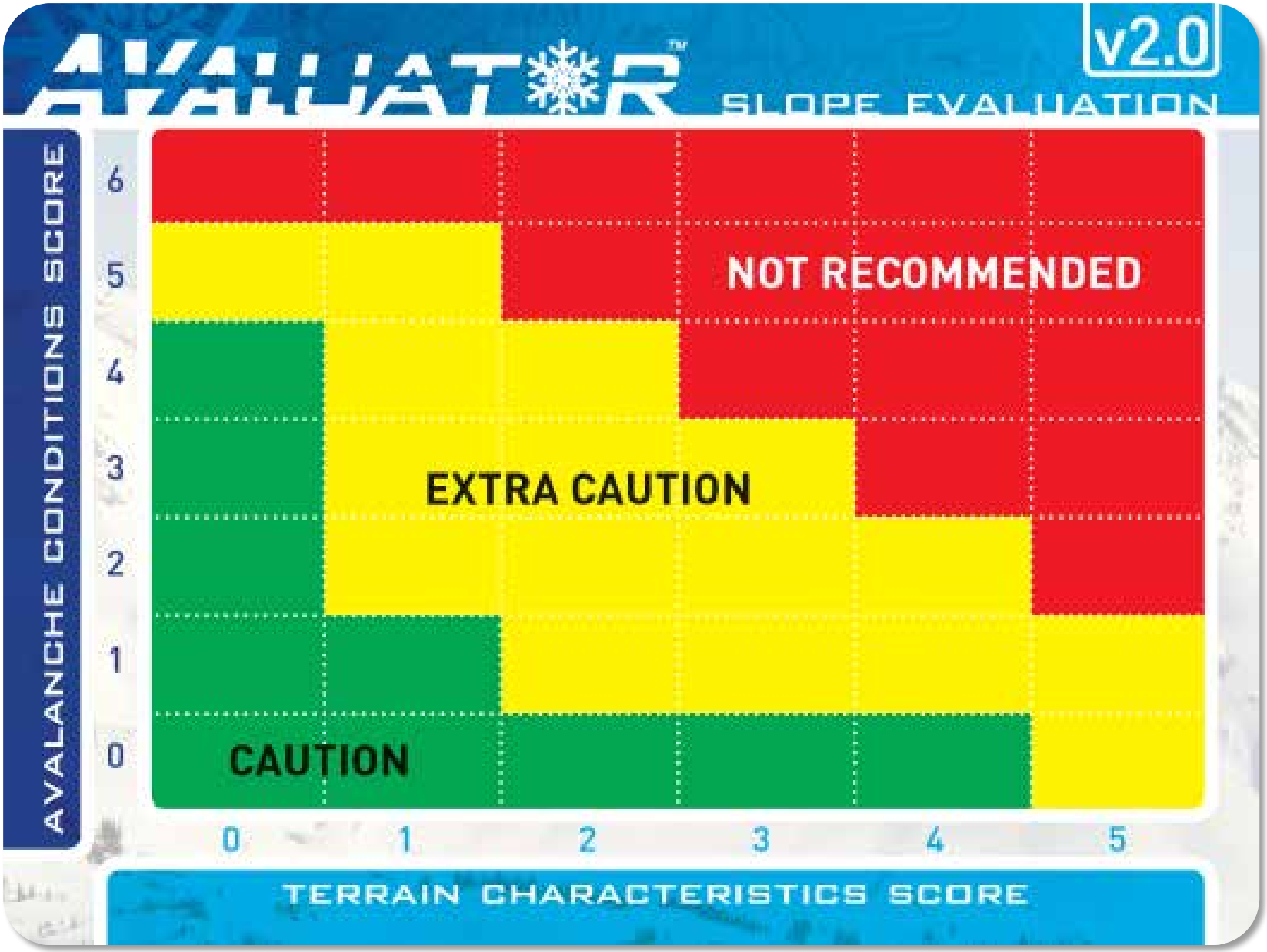
Photo: J. Schweizer

A nice example?

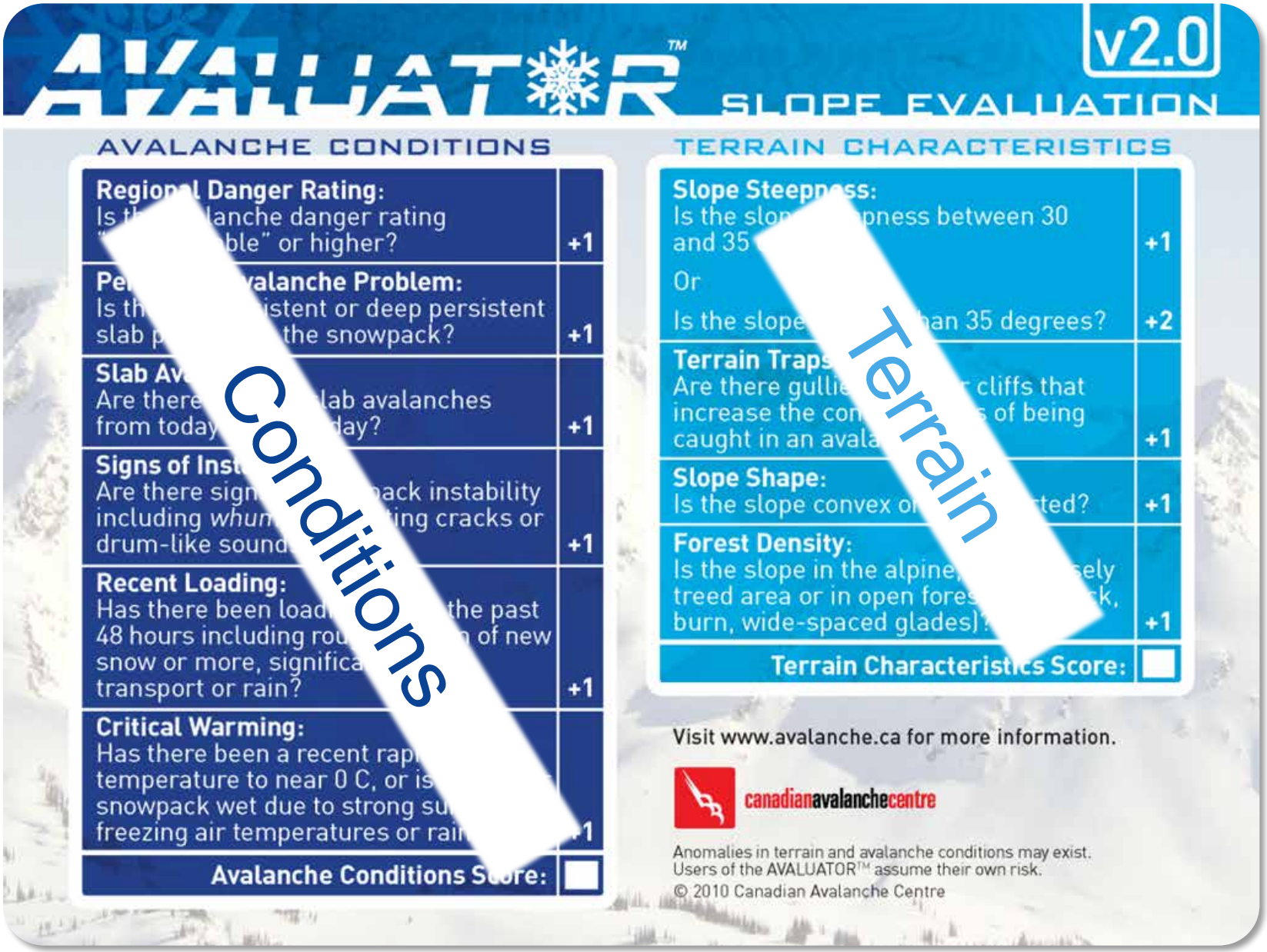
Photo: Christoph Mitterer


For danger evaluation we look at: slope angle and aspect
For risk we need to consider consequences
à “terrain traps”
Photo: J. Schweizer

Avaluator


AVALUATOR
v2.0
SLOPE EVALUATION
AVALANCHE CONDITIONS SCORE
6
5
4
3
2
1
0
NOT RECOMMENDED
EXTRA CAUTION
CAUTION
0
1
2
3
4
5
TERRAIN CHARACTERISTICS SCORE

Avaluator


AVALUATOR™
v2.0
SLOPE EVALUATION
AVALANCHE CONDITIONS
Regional Danger Rating:
Is the avalanche danger rating "...ble" or higher?
+1
Persistent Avalanche Problem:
Is there a persistent or deep persistent slab problem in the snowpack?
+1
Slab Avalanches:
Are there ...lab avalanches from today...day?
+1
Signs of Instability:
Are there signs of snowpack instability including whumpfing, cracking or drum-like sounds?
+1
Recent Loading:
Has there been loading in the past 48 hours including rou... of new snow or more, significant transport or rain?
+1
Critical Warming:
Has there been a recent rapid rise in temperature to near 0 C, or is the snowpack wet due to strong sun, freezing air temperatures or rain?
+1
Avalanche Conditions Score:
Conditions
TERRAIN CHARACTERISTICS
Slope Steepness:
Is the slope steepness between 30 and 35 degrees?
+1
Or
Is the slope greater than 35 degrees?
+2
Terrain Traps:
Are there gullies or cliffs that increase the consequences of being caught in an avalanche?
+1
Slope Shape:
Is the slope convex or concave?
+1
Forest Density:
Is the slope in the alpine, sparsely treed area or in open forest (tack, burn, wide-spaced glades)?
+1
Terrain Characteristics Score:
Terrain
Visit www.avalanche.ca for more information.
canadianavalanchecentre
Anomalies in terrain and avalanche conditions may exist.
Users of the AVALUATOR™ assume their own risk.
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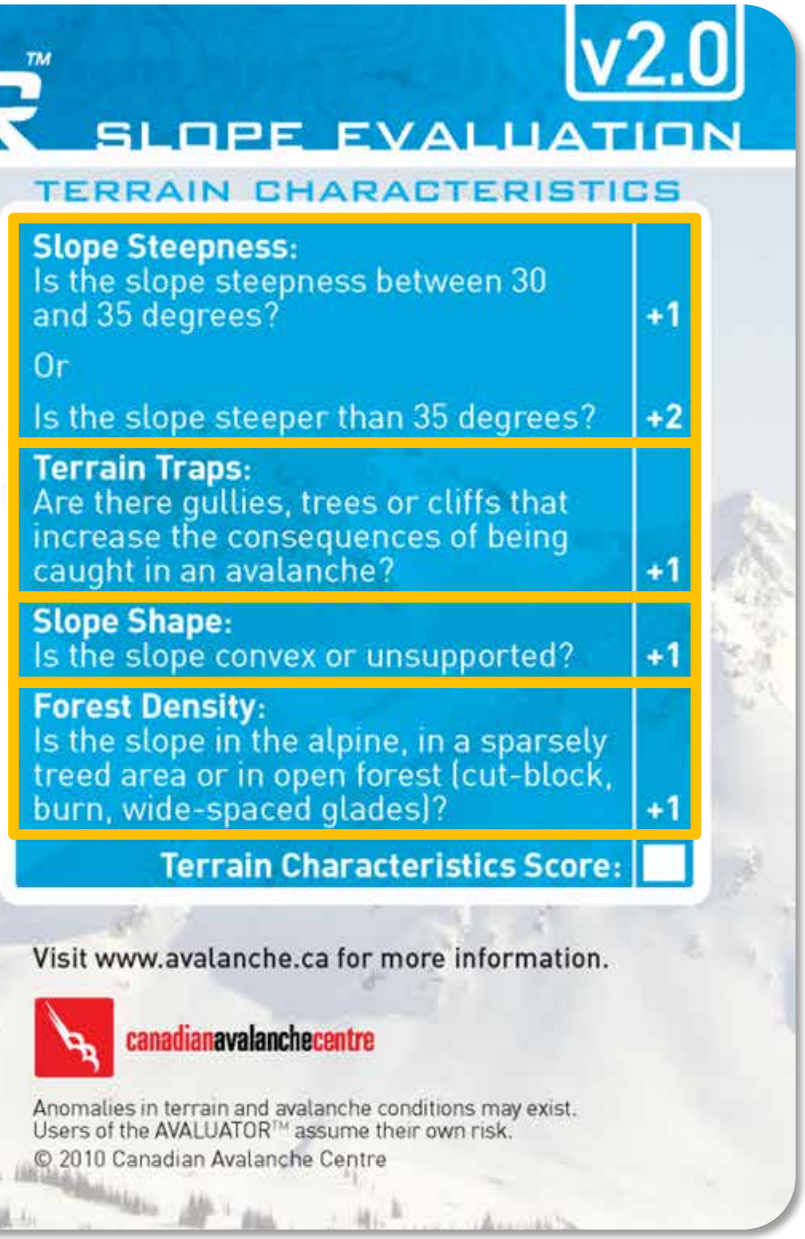
Avaluator



Slope angle?

Gullies, Trees, Rocks?

Convex or unsupported?

Dense tree cover?

When to consider?

Photo: B. Reuter

Many people

Photo: B. Reuter

Persistant avalanche problems

Photo: J. Schweizer

Old story? Still relevant these days!