

Wet-snow avalanches due to rainfall - Considerable danger regionally at high altitudes

	Voralpenbereich, Bregenzeraldgebirge		
	2200 m Lechquellengebirge, Lechtaler Alpen, Verwall, Rätikon West, Rätikon Ost, Silvretta, Allgäuer Alpen		

Avalanche problems



Danger ratings



Expositions



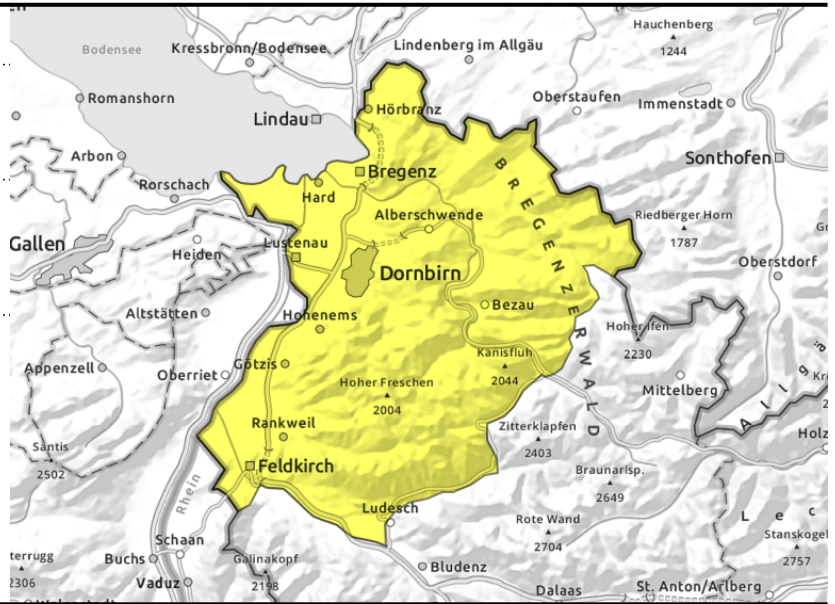
Voralpenbereich, Bregenzerwaldgebirge



wet-snow + glide-snow
avalanches due to warmth and
rain-impact



>2000 m wind-loaded steep
terrain, gullies, bowls



Outgoing nocturnal radiation lacking, mild temperatures, rain: wet-snow avalanches. Heed small drifts.

Moderate avalanche danger prevails. Due to rainfall and higher temperatures the snowpack is forfeiting its firmness. As a result, small-to-medium wet-snow avalanches can trigger naturally on very steep slopes in all aspects. On steep grassy slopes, increasingly frequent small-to-medium glide-snow avalanches are possible. At high altitudes, the fresh fallen snow and freshly generated snowdrifts are prone to triggering in places. Such danger zones occur in steep ridgeline terrain and in wind-loaded gullies and bowls. One sole person can trigger small-to-medium sized avalanches.

Snowpack structure

Due to warmth on Tuesday night and rainfall up to high altitudes, the snowpack is weakened. Inside the drifts are weak layers, e.g. graupel. Fresh snow and drifts lie deposited atop a thoroughly wet and thereby weakened snowpack surface (with graupel). At low altitudes the fresh snow of recent days fell on bare ground.

Weather

Nocturnal hours: heavily overcast skies, rainfall in the latter part of the night up to over 2000 m. Thursday: instable and windy conditions, predominantly overcast skies, rain shower up to over 2000 m. In the afternoon the snowfall level will descend to below 2000 m. At 2000 m: +6 to +2 degrees. Brisk to strong westerly winds.

Outlook

Friday will bring snowfall above 1600 m, accompanied by strong W/SW winds. On Saturday, snowfall down to 1000 m. Avalanche danger could increase at high altitudes. Danger of wet-snow avalanches will recede as temperatures drop.

Avalanche problems



Danger ratings



Expositions



Avalanche report for Thursday, 30.03.2023

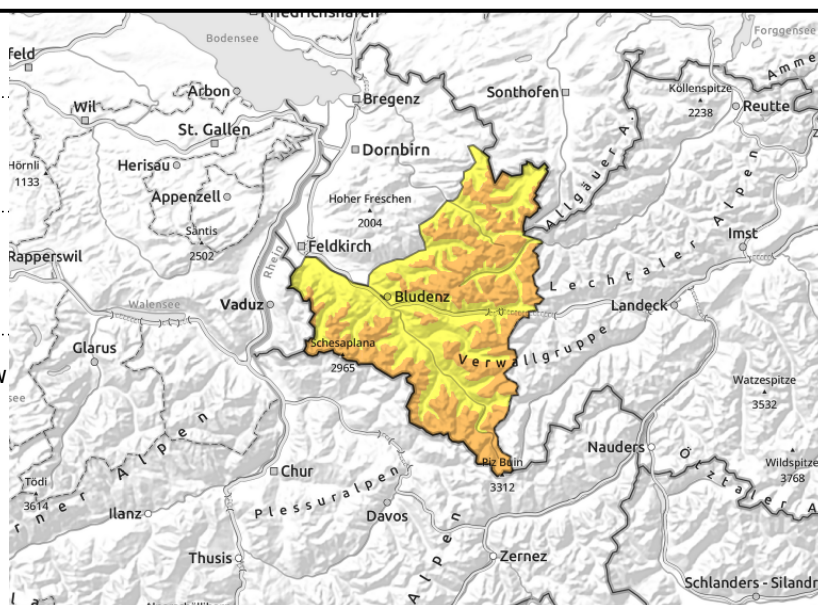
Lechquellengebirge, Lechtaler Alpen, Verwall, Rätikon West, Rätikon Ost, Silvretta, Allgäuer Alpen



>2200 m wind-loaded steep terrain, gullies, bowls



increasing wet-snow/glide-snow avalanches due to warmth in zones with rain impact



Often considerable danger at high altitudes - Wet-snow avalanches due to rain and warmth

Fresh snow and snowdrifts are the main problem at high altitudes. Danger zones increase in frequency and size with ascending altitude. One sole person can trigger a small-to-medium sized avalanche in steep ridgeline terrain and in wind-loaded gullies and bowls. Activities in backcountry terrain demand experience in assessing avalanche risks on-site. In very steep rocky terrain, naturally triggered loose-snow avalanches, and in wind-loaded zones slab avalanches, are possible.

Snowpack structure

Due to warmth on Tuesday night and rainfall up to high altitudes, the snowpack is weakened. Inside the drifts are weak layers, e.g. graupel. Fresh snow and drifts lie deposited atop a thoroughly wet and thereby weakened snowpack surface (with graupel). Bonding deteriorates with ascending altitude. Faceted layers evident esp. on shady steep slopes. At low altitudes the fresh snow of recent days fell on bare ground.

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Translated by Jeffrey McCabe, www.creativtrans.com

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Danger ratings



Expositions

