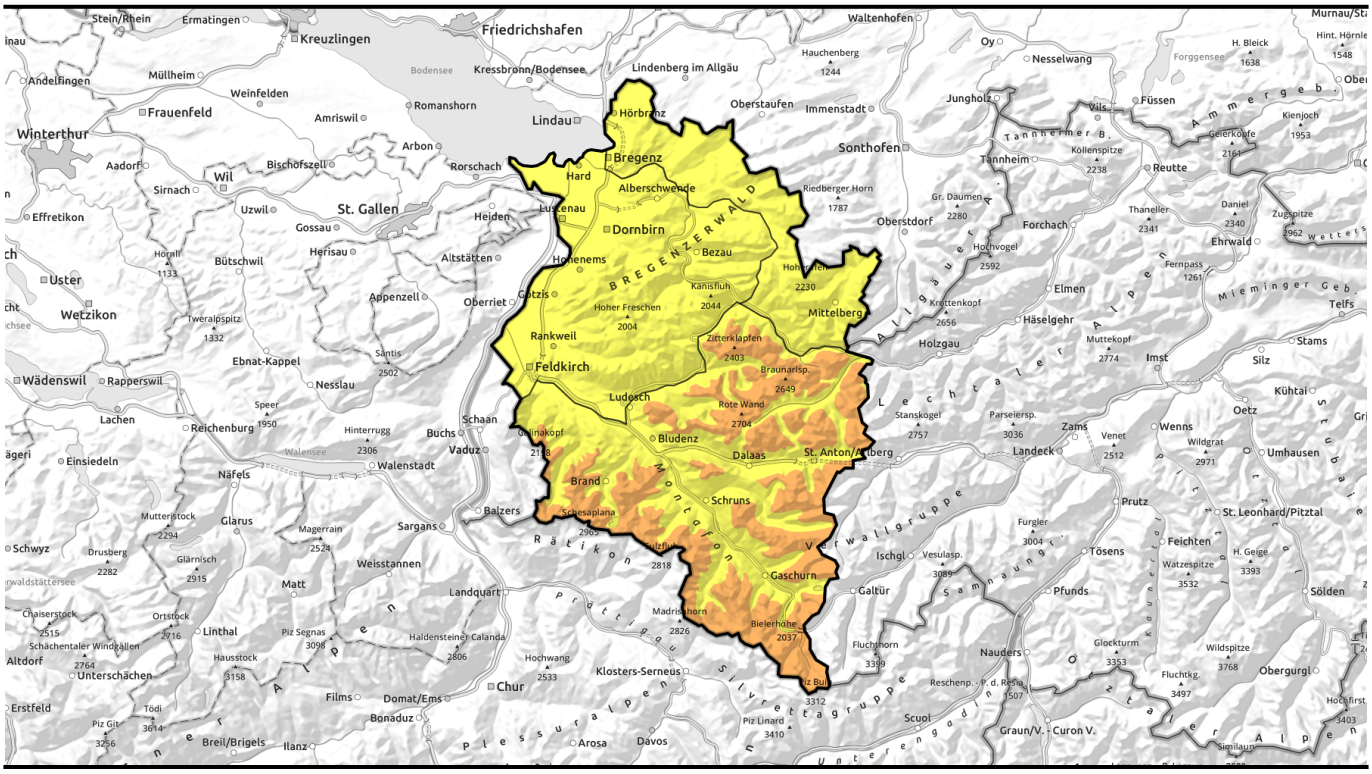
Avalanche report from 01.01.2022, 07:24 h *by Bernhard Anwander*

01.01.2022



Above 2400m, older snowdrifts can often still trigger medium (sometimes large) glide-snow avalanches. Slight daytime wet-snow avalanche danger cycle.

3 2	2400 m	Silvretta, Rätikon Ost, Rätikon West, Verwall, Lechtaler Alpen, Lechquellengebirge	
2		Bregenzerwaldgebirge	
2		Allgäuer Alpen	

Avalanche problems

New snow | Wind drifted snow | Persistent weak layer | Wet snow | Gliding snow | No problem

Danger ratings

1	2	3	4	5
low	moderate	considerable	high	very high

Expositions

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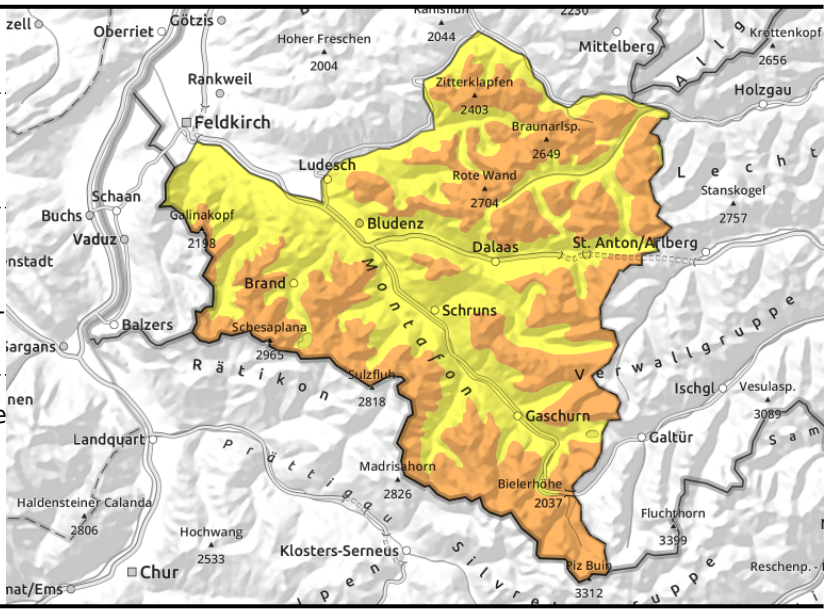
Silvretta, Rätikon Ost, Rätikon West, Verwall, Lechtaler Alpen, Lechquellengebirge

2400 m

snowdrifts still triggerable esp. over 2400m; steep terrain, behind protruberances, in wind-loaded gullies, bowls

glide-snow avalanches, daytime wet-snow avalanches on sunny slopes



Snowdrift problem above 2400m. Glide-snow avalanches, daytime wet-snow avalanches below 2200m.

Older snowdrift accumulations are prone to triggering above 2400m, can be triggered, make a prudent route plan indispensable. Avalanche prone locations are found in steep terrain in all aspects, behind protruberances and in wind-loaded gullies and bowls. If avalanches fracture down to deeper layers of the snowpack they can grow to dangerously large size.
Below 2200 m medium-sized (in isolated cases large-sized) glide-snow avalanches are possible. Caution on slopes where there are glide cracks. As a result of solar radiation and daytime warming, wet slides and avalanches can release during the course of the day, particularly on sunny slopes.

Snowpack structure

The snowpack shows the effects of rain and wind from the last few days. Up to 2200m it is thoroughly wet, up to 2500m it is moist. During nights of clear skies, a melt-freeze crust forms below 2500m which is capable of bearing loads. The rain and mild temperatures have helped the snowpack to quickly settle. At high altitudes where there was no rain (above 2400m) the snowpack is stabilizing more slowly. Through stormy W/NW winds the snow was intensively transported on both days, new snowdrift accumulations formed. Brisk to strong W/NW winds have generated snowdrift accumulations at high and high-alpine altitudes which are prone to triggering. The transported snow was deposited on wind crusts, melt-freeze crusts or atop older snowdrifts, on high altitude shady slopes also on loose, powdery layers, making it prone to triggering. On south-facing slopes, bonding to the old snowpack is better. In addition, on very steep high-altitude shady slopes there are weak layers at mid-level inside the snowpack in some places: they are prone to triggering. Due to the dryness of the air, the snowpack surface softens little on sunny slopes, in the other aspects it remains hard and dry, thus reducing avalanche activity to a minimum.

Weather

A high-pressure front determines weather conditions today. The sub-tropical air remains dry and warm, sunshine all day long. At the edge of this front, the NW wind will be stronger than it was yesterday, but will soon slacken off. Temperature at 2000 m: +9 degrees. Brisk to strong NW winds at high altitude, easing later on.

Avalanche problems

New snow | Wind drifted snow | Persistent weak layer | Wet snow | Gliding snow | No problem

Danger ratings

1	2	3	4	5
low	moderate	considerable	high	very high

Expositions

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Outlook

Following a night of clear skies, Sunday will be mild and partly sunny. Avalanche danger is subject to a slight daytime cycle.

Avalanche problems

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Danger ratings

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Expositions

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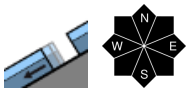
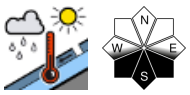
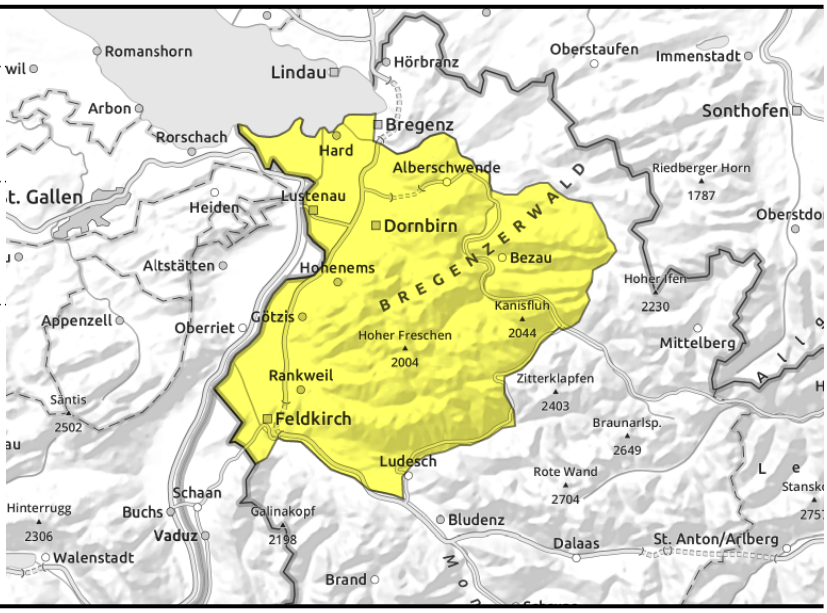
Bregenzerwaldgebirge



caution on slopes with glide cracks



wet-snow slides/ avalanches esp.on sunny slopes due to solar radiation, daytime warming



Glide-snow and (as day unfolds) wet-snow avalanches on sunny slopes

Below 2200m in all aspects medium-sized (isolated large-sized) glide-snow avalanches are possible. Caution on slopes with glide cracks. Due to solar radiation and daytime warming, wet slides and avalanches can release on sunny slopes in particular.

Snowpack structure

The snowpack shows the effects of rain and wind from the last few days. Up to 2200m it is thoroughly wet, up to 2500m it is moist. During nights of clear skies, a melt-freeze crust forms below 2500m which is capable of bearing loads. The rain and mild temperatures have helped the snowpack to quickly settle. Due to the dryness of the air, the snowpack surface softens little on sunny slopes, in the other aspects it remains hard and dry, thus reducing avalanche activity to a minimum.

Weather

A high-pressure front determines weather conditions today. The sub-tropical air remains dry and warm, sunshine all day long. At the edge of this front, the NW wind will be stronger than it was yesterday, but will soon slacken off. Temperature at 2000 m: +9 degrees! Brisk to strong NW winds at high altitude, easing later on.

Outlook

Following a night of clear skies, Sunday will be mild and partly sunny. Avalanche danger is subject to a slight daytime cycle.

Avalanche problems

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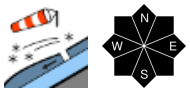
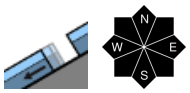
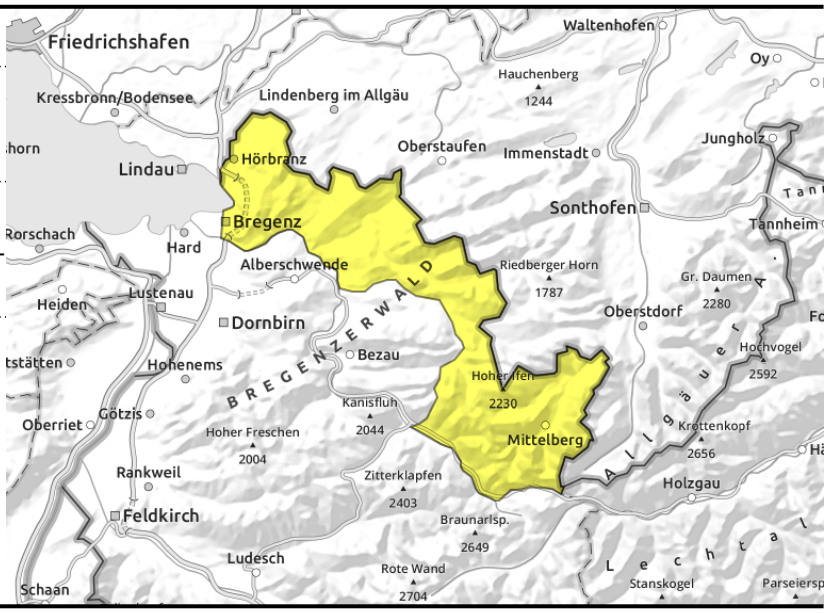
Allgäuer Alpen



danger zones on steep slopes, behind protruberances, in wind-loaded gullies, bowls



glide-snow + (later) wet-snow avalanches esp.on sunny slopes



Snowdrift problem above 2400m. Glide-snow avalanches, daytime wet-snow avalanches below 2200m.

Older snowdrift accumulations are triggerable only above 2400m by large additional loading. Avalanche prone locations are found in steep terrain in all aspects, behind protruberances, in wind-loaded gullies and bowls. A cautious route and maintaining distances are recommended.
In all aspects below 2200m, medium-sized, in isolated cases large-sized glide-snow avalanches are possible. Caution urged on slopes with glide cracks. Particularly on sunny slopes, wet-snow slides and avalanches are possible in the course of the day due to solar radiation and rising daytime temperatures.

Snowpack structure

The snowpack shows the effects of rain and wind from the last few days. Up to 2200m it is thoroughly wet, up to 2500m it is moist. During nights of clear skies, a melt-freeze crust forms below 2500m which is capable of bearing loads. The rain and mild temperatures have helped the snowpack to quickly settle. At high altitudes where there was no rain (above 2400m) the snowpack is stabilizing more slowly. Through stormy W/NW winds the snow was intensively transported on both days, new snowdrift accumulations formed. Brisk to strong W/NW winds have generated snowdrift accumulations at high and high-alpine altitudes which are prone to triggering. The transported snow was deposited on wind crusts, melt-freeze crusts or atop older snowdrifts, on high altitude shady slopes also on loose, powdery layers, making it prone to triggering. On south-facing slopes, bonding to the old snowpack is better. In addition, on very steep high-altitude shady slopes there are weak layers at mid-level inside the snowpack in some places: they are prone to triggering. Due to the dryness of the air, the snowpack surface softens little on sunny slopes, in the other aspects it remains hard and dry, thus reducing avalanche activity to a minimum.

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Translated by Jeffrey McCabe, www.creativtrans.com

Avalanche problems

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Expositions