

Beware of fresh snowdrifts above the timberline!



forestline

Bayerische Voralpen West, Bayerische Voralpen Mitte, Bayerische Voralpen Ost, Chiemgauer Alpen West, Chiemgauer Alpen Ost, Ammergauer Alpen, Allgäuer Vorberge, Werdenfelser Alpen, Berchtesgadener Alpen



2000 m

Allgäuer Hauptkamm



Avalanche problems



New snow



Wind drifted snow



Persistent weak layer



Wet snow



Gliding snow



No problem

Danger ratings



1

low



2

moderate



3

considerable



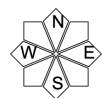
4

high



5

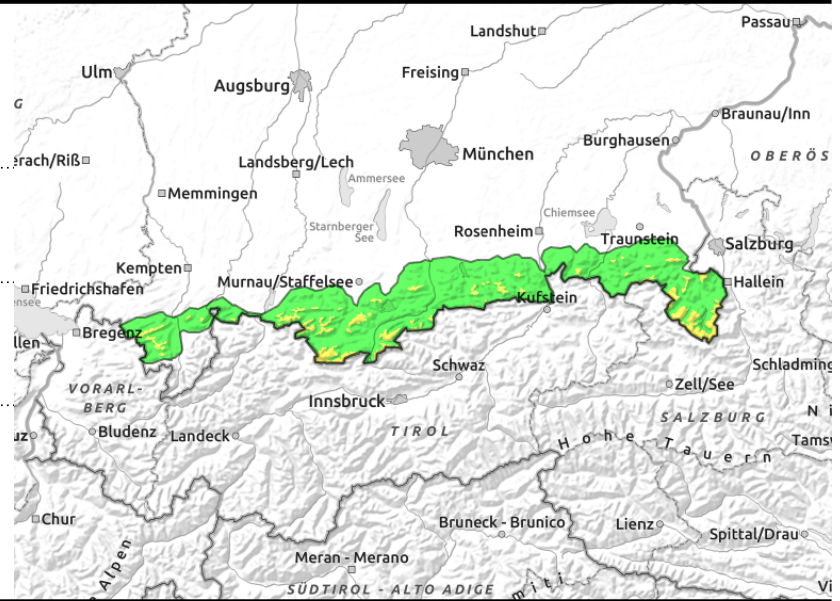
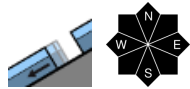
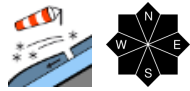
very high



Expositions

19.02.2022

Bayerische Voralpen West, Bayerische Voralpen Mitte, Bayerische Voralpen Ost, Chiemgauer Alpen West, Chiemgauer Alpen Ost, Ammergauer Alpen, Allgäuer Vorberge, Werdenfeller Alpen, Berchtesgadener Alpen



Spatially limited fresh snowdrifts above the timberline; notable stabilization of snowpack due to temperature drop at lower altitudes.

Avalanche danger above the treeline is moderate, below that altitude danger is low. Main problem: fresh snowdrift accumulations above the timberline. Avalanche prone locations are found in steep terrain adjacent to ridgelines but also distant from ridgelines behind protuberances as well as in gullies and bowls. In places, slab avalanches can be triggered even by a single person engaged in winter sports. At high altitude, avalanches can in isolated cases grow to larger size, where avalanches fracture down to weak layers that are more deeply embedded in the old snowpack. In addition, at intermediate altitudes isolated medium-sized glide snow avalanches can release on steep smooth grass-covered slopes.

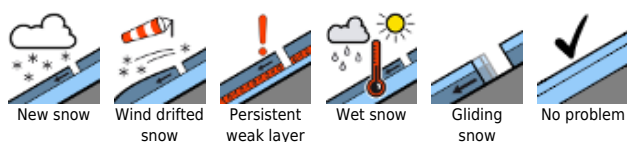
Snowpack structure

The small quantities of new snow that will fall as the cold front passes will be transported by stormy westerly wind and deposited in wind-protected zones. At higher altitudes the snow is deposited atop an inconsistent, mostly encrusted surface with which it can only bond poorly. Locally, faceted crystals persist in the old snowpack underneath a more deeply embedded melt-freeze crust. At intermediate altitudes the snowpack stabilizes notably due to colder temperatures and is in fact in many places still wet but very compact.

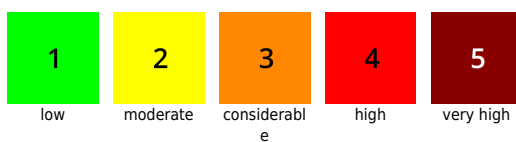
Outlook

Weather conditions will remain variable. No significant change is expected in avalanche danger levels.

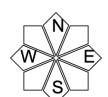
Avalanche problems



Danger ratings

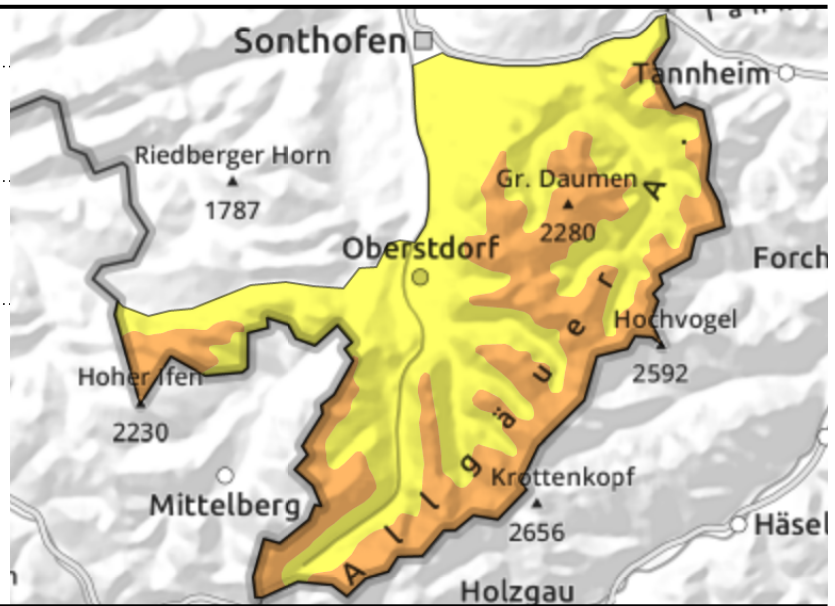
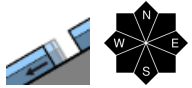
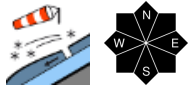


Expositions



19.02.2022

Allgäuer Hauptkamm



At high altitude the avalanche situation is tense.

Avalanche danger above 2000m is considerable, danger below that altitude is moderate. Main problem: fresh snowdrifts. Avalanche prone locations are found adjacent to and distant from ridgelines on steep slopes in all aspects, behind terrain protuberances as well as in gullies and bowls filled with snowdrift deposits. Slab avalanches can be triggered even by minimum additional loading of a single skier. Larger-sized slab avalanches can be expected, if avalanches fracture down to more deeply embedded weak layers in the old snowpack. This is possible in isolated cases at high altitude. Possibility of spontaneously releasing glide snow avalanches on smooth steep grass-covered slopes at intermediate altitudes. In particular around glide cracks avalanches can be expected at any time. Glide-snow avalanches can reach medium size.

Snowpack structure

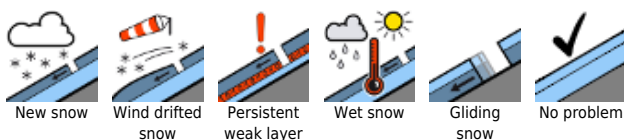
The new snow that will fall as the cold front passes will be transported widespread by stormy westerly wind and deposited in wind-protected zones. At higher altitudes the snow is deposited atop an inconsistent, mostly encrusted surface with which it can only bond poorly. The proneness to triggering of the snowdrift accumulations increases with ascending altitude. Additionally, locally faceted crystals persist in the old snowpack underneath a more deeply embedded melt-freeze crust. At intermediate altitudes the snowpack is in many places thoroughly moist. It is often wet down to the ground which promotes gliding of the snow masses

Outlook

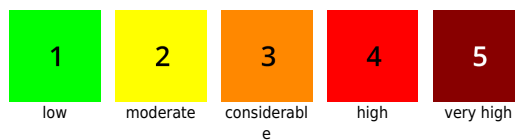
Weather conditions will remain variable. No significant change is expected in avalanche danger levels.

Translated by Jeffrey McCabe, www.creativtrans.com

Avalanche problems



Danger ratings



Expositions

