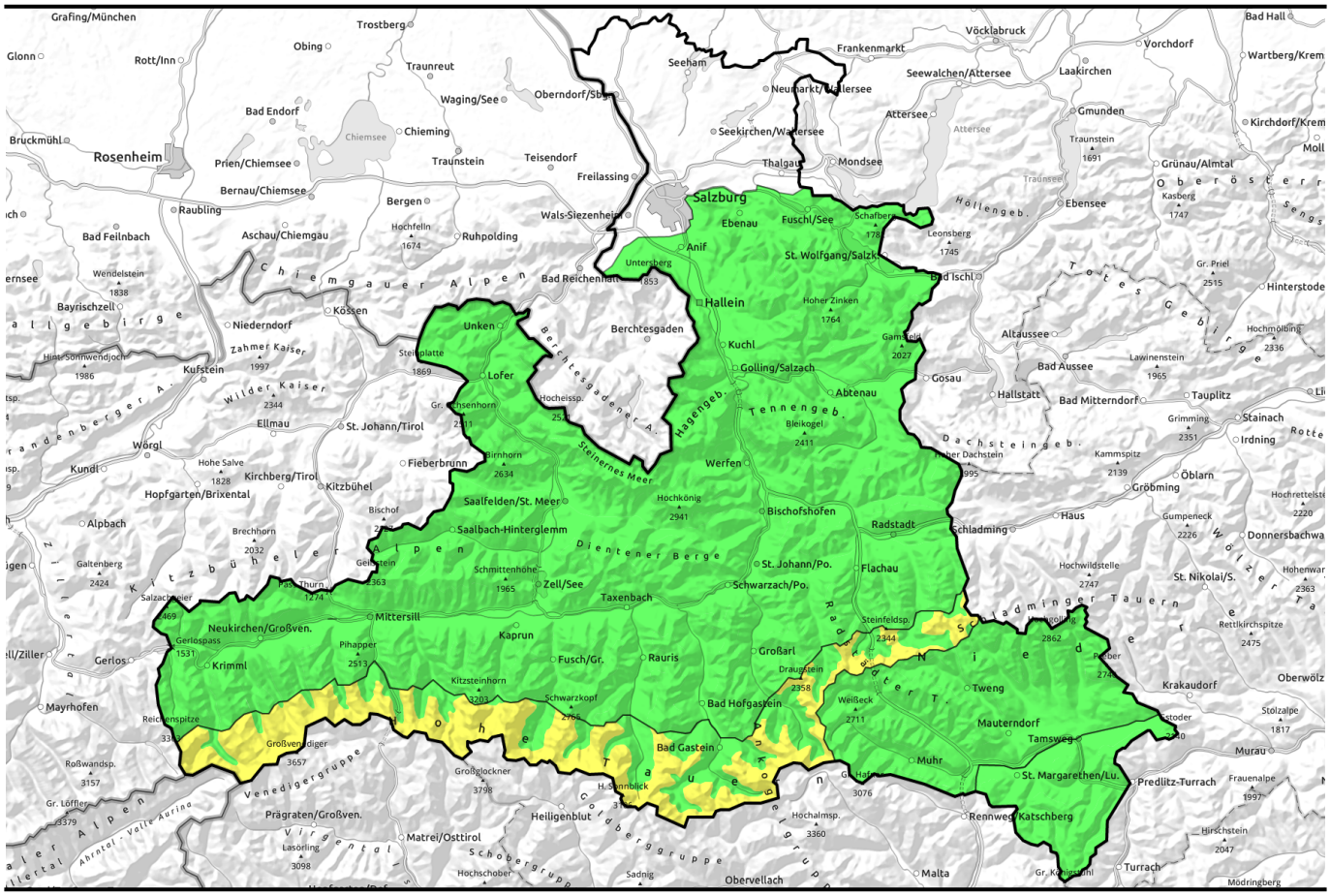
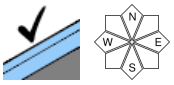
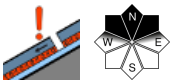
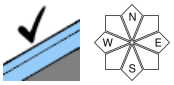
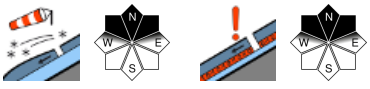
Avalanche report from 12.03.2022, 18:00 h *by Niedermoser Bernd*

13.03.2022

LAND SALZBURG



Caution on Main Alpine Ridge (foehn-induced snowdrifts) - otherwise favorable situation

1	Nockberge	
1	Niedere Tauern Süd, Ankogelgruppe, Muhr	
1	Untersbergstock, Chiemgauer Alpen, Heutal, Reiteralpe, Pongauer Grasberge, Dientner Grasberge, Kitzbüheler Alpen, Glemmtal, Oberpinzgauer Grasberge, Niedere Tauern Nord, Osterhorngruppe, Gamsfeldgruppe, Goldberggruppe Nord, Tennengebirge, Gosaukamm, Steinernes Meer, Hochkönig, Hagengebirge, Göllstock, Loferer und Leoganger Steinberge, Glocknergruppe Nord, Großvenedigergruppe Nord	
2 1	1800 m Niedere Tauern Alpenhauptkamm, Goldberggruppe Alpenhauptkamm, Glocknergruppe Alpenhauptkamm, Großvenedigergruppe Alpenhauptkamm	

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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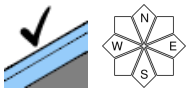
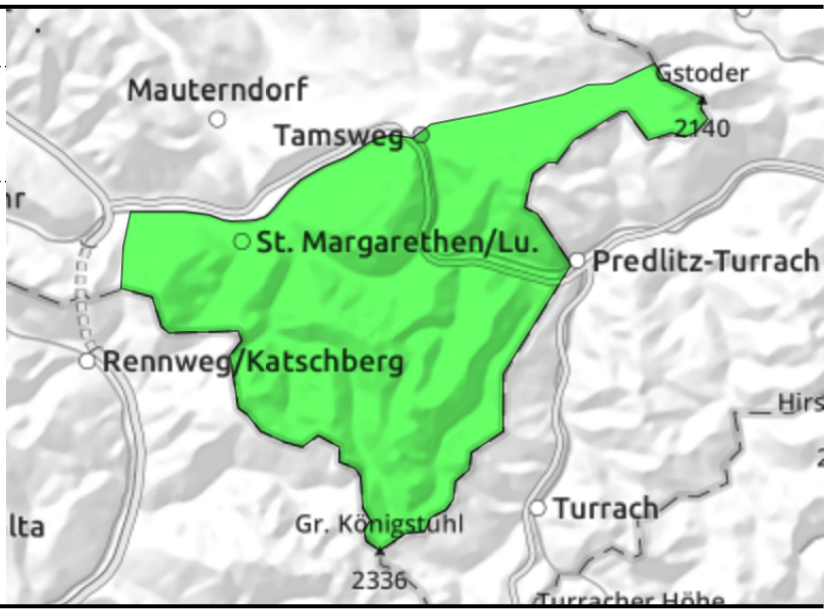
LAND SALZBURG

Nockberge



very few danger zones



Very few danger zones

Avalanche danger is LOW. Only in few spots can large additional loading trigger a slab avalanche, most likely in shallow-snow transitions from little to much snow on shady, extremely steep slopes, where avalanches can grow to medium size nonetheless.

Snowpack structure

The snowpack shows huge effects of storm-strength wintery winds. The snowpack accumulations are well consolidated, often melt-freeze encrusted or hardened. Above the treelike the terrain is windblown, more snow lies in the bowls. Inside the old snowpack are soft layers of expansively metamorphosed (faceted) crystals which are unlikely to trigger except in isolated cases.

Weather

Sunday will be brilliantly sunny, outstanding visibility, low air moisture, less wind (30 km/hr from the south at high altitudes). At 2000 m: -2 degrees.
Monday will bring some cloudbanks, otherwise good backcountry touring weather. Light winds. At 2000 m: -1 degree.

Outlook

No significant change is expected.

Avalanche problems

Danger ratings

Expositions

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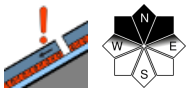
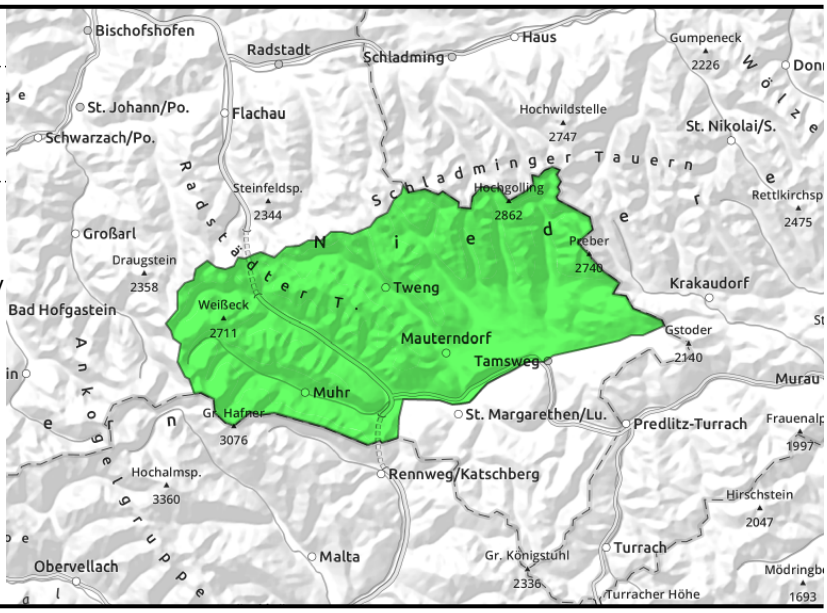
LAND SALZBURG

Niedere Tauern Süd, Ankogelgruppe, Muhr

1



transitions into gullies and bowls from shallow to deep snow, shallow-snow zones, very steep, mostly shady



Favorable. Few danger zones in transitions where the snow is shallow

Avalanche danger is LOW. Only in very few places can large addtional loading trigger a slab avalanche, most likely in transitions where snow is shallow, into deeper snow, in shady and extremely steep terrain. Then, avalanches can grow to medium size. Most avalanche prone locations occur in W/N/E aspects distant from ridgelines and in steep gullies.
In high alpine regions (above 2600m) these rare avalanche prone locations (shallow-snow transitions in very steep terrain) cannot be ruled out on E/S facing slopes as well.
Naturally triggered avalanches: extremely isolated small glide-snow avalanches can release. In the afternoon, small moist slides are possible, superficially, both types on extremely steep slopes.

Snowpack structure

On shady slopes there is old powder (2 weeks old, faceted, atop surface hoar) atop a compact old snowpack.
Foehn winds over the last 24 hours have transported next to no snow. Small snowdrift patches are possible.
On sunny slopes the melt-freeze crust in some aspects and gradients (S/SW, 1500-2000m) can bear loads, then softens up during the daytime (the upper 5-10 cm softens).
Hidden inside the old snow are soft layers of expansively metamorphosed (faceted) crystals, but are unlikely to trigger except in isolated cases.

Weather

Sunday will be brilliantly sunny, outstanding visibility, low air moisture, less wind (30 km/hr from the south at high altitudes). At 2000 m: -2 degrees.
Monday will bring some cloudbanks, otherwise good backcountry touring weather. Light winds. At 2000 m: -1 degree.

Outlook

No significant change is expected.

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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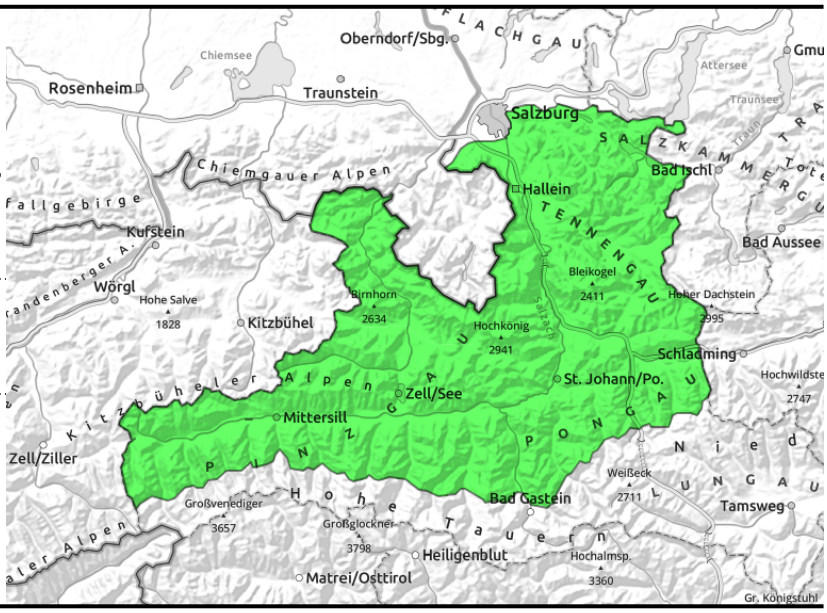
LAND SALZBURG

Untersbergstock, Chiemgauer Alpen, Heutal, Reiteralpe, Pongauer Grasberge, Dientner Grasberge, Kitzbüheler Alpen, Glemmtal, Oberpinzgauer Grasberge, Niedere Tauern Nord, Osterhorngruppe, Gamsfeldgruppe, Goldberggruppe Nord, Tennengebirge, Gosaukamm, Steinernes Meer, Hochkönig, Hagengebirge, Göllstock, Loferer und Leoganger Steinberge, Glocknergruppe Nord, Großvenedigergruppe Nord



1

very few avalanche prone locations - danger of falls in extremely steep terrain

Hardly any danger zones - very favorable conditions

Avalanche danger is LOW. Only in very few places can large addtional loading trigger a slab avalanche, most likely in transitions where snow is shallow, into deeper snow, in shady and extremely steep terrain. Then, avalanches can grow to medium size. Most avalanche prone locations occur in NW/N/E aspects distant from ridgelines and in steep gullies.
Naturally triggered avalanches: extremely isolated small glide-snow avalanches can release. In the afternoon, small moist slides are possible, superficially, both types on extremely steep slopes.

Snowpack structure

On shady slopes there is old powder atop a compact old snowpack. On sunny slopes the melt-freeze crust in some aspects and gradients (S/SW, 1500-2000m) can bear loads, then softens up during the daytime (the upper 5-10 cm soften).
Hidden inside the old snow are soft layers of expansively metamorphosed (faceted) crystals, but are unlikely to trigger.

Weather

Sunday will be brilliantly sunny, outstanding visibility, low air moisture, less wind (30 km/hr from the south at high altitudes). At 2000 m: -2 degrees.
Monday will bring some cloudbanks, otherwise good backcountry touring weather. Light winds. At 2000 m: +1 degree.

Outlook

No significant change is expected.

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

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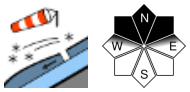
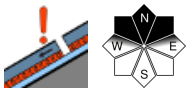
LAND SALZBURG

Niedere Tauern Alpenhauptkamm, Goldberggruppe
Alpenhauptkamm, Glocknergruppe
Alpenhauptkamm, Großvenedigergruppe
Alpenhauptkamm

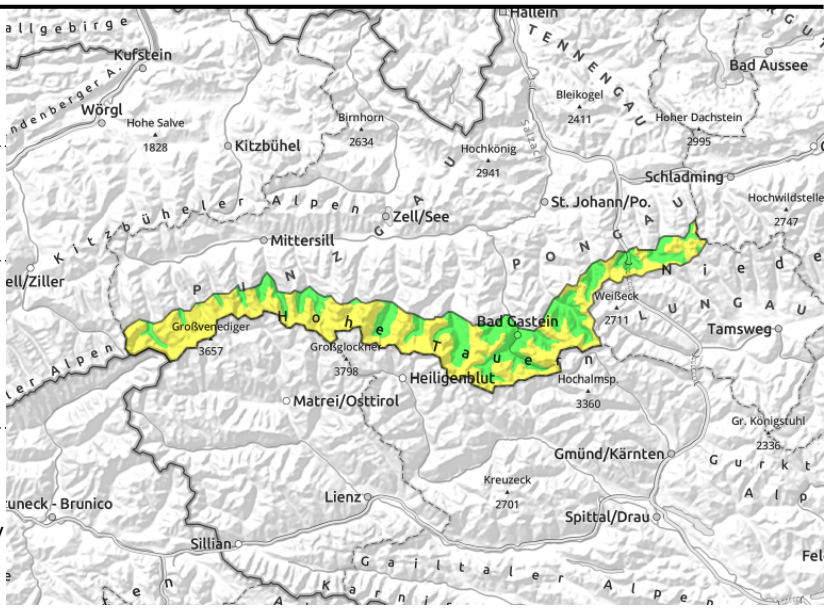
1800 m



in foehn zones 10-20 cm deep snowdrifts due to foehn wind, easily triggerable, danger of falls



transitions into gullies and bowls from shallow to deep snow, shallow-snow zones, very steep, mostly shady, danger of falls in extremely steep terrain



On north-facing slopes: avoid fresh foehn-induced snowdrifts

Snowdrift problem: wherever the foehn was blowing (wind signs are easily recognizable) there are on shady leeward slopes easily triggered snowdrift accumulations. The impulst of one sole persons can trigger avalanches, also small remote triggerings are possible. Potential avalanches are generally small, but the risk of being swept along and forced to fall need consideration, and in isolate cases there is enough snow to bury a person.
Persistent weak layer: very few danger zones, mostly in shallow-snow transitions in shady, steep terrain, where large additional loading can trigger a rare slab and grow to medium size. Most danger zones are in NW/N/NE aspects in terrain distant from ridges and in steep gullies.
Naturally triggered avalanches, due to sunshine and daytime warming: in very isolated cases, glide-snow avalanches can release. As of midday, small moist-snow slides are possible (danger of falling). Both types on extremely steep slopes.

Snowpack structure

The intensifying foehn wind will persist on Sunday, and transport the snow wherever it find old powder. Fresh snowdrift accumulations of the last 30 hours have been deposited on surface hoar on north-facing slopes and on faceted powder, the are easily triggerable. Frequency and size are modest. Apart from wind impact, there is stable powder on shady slopes, atop compact old snow. On sunny slopes the melt-freeze crust in the right aspect and gradient (S/SW, 1500-2000 m) is capable of bearing loads and softens up to differing degrees during the daytime, mostly the uppermost 5-10 cm. Inside the old snowpack there are soft, facted layers (persistent weak layer), but they are currently unlikely to trigger.

Weather

Sunday will be brilliantly sunny, outstanding visibility, low air moisture. Winds generally at 30 km/hr, in exposed zones and north-facing terrain up to 60 km/hr. At 2000 m: 0 degrees; at 3000 m: -4 degrees.
Monday will bring some cloudbanks, otherwise good backcountry touring weather. Light winds. At 2000 m: 0 degrees.

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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13.03.2022

Outlook

No significant change is expected.

Translated by Jeffrey McCabe, www.creativtrans.com

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