

OFF PISTE MAP

EN

ROYAL FREERIDING

SAFETY PARTNER

THE POWDER

The altitude and the guaranteed snowfall turn Stubai Glacier into a Powder

Department. Thus the Kingdom of Snow becomes the top freeriding area for off-piste fans who get to navigate runs with evocative names like "Hard Rock", "Gamsgrat" or "The Wildspitz".

Routes (Powder Department runs) that aren't reserved for a few chosen insiders, but that you can get to know with this downloadable off piste map and GPS track. There are total of 13 at Stubai Glacier, and all are accurately routed

and described in the Track Book. An experienced freerider and a state-certified

08.00 | 08.30* am

03.45 pm 04.15 pm

DEPARTMEN1

WINTER OPENING TIMES ++ First ascent from valley station ++ Last ascent from valley station

++ Last descent from summit station

11

OUR

R ORTOVOX

++ ORTOVOX TRAINING PARK GAMSGARTEN

++ ORTOVOX SAFETY ACADEMY EVENTS



The Stubai Glacier gives access to high Alpine terrain, which offers plenty of room for fantastic runs, but also requires corresponding experience and training in the Alpine terrain and appropriate behaviour.

True to the motto "SAFETY FIRST", the Power Department offers free GPS tracks for all runs. Now you'll have no trouble finding the right access point or return to the supervised ski area – provided the electronic guidance works. The availability of a track reveals nothing about its navigability/accessibility at any particular time! Even a small diversion from the track can increase the risk.



How it works: visit **powder-department.com** (or scan QRCode on the right) download freeride tracks and import into a GPS app (you can find recommended apps at powder-department.com).

POWDER DEPARTMENT TRACK

Load Powder Department Track on your smartphone and select your current location using the Own Position button (bottom left). This allows you to check whether you are still on the track.

We recommend the Stubai Region app for use with the Powder Department GPS tracks. The app is free to download from the App Store (Apple) and Google Play Store (Android).



The Safety Academy Guide Book by ORTOVOX provides useful information about conduct in wild, unsecured terrain.



WHITE RISK

AVALANCHE RISK POSES DANGER TO LIFE!

AVALANCHE RISK POSES DANGER TO LIFE! Freeriding, which involves skiing and boarding off-piste and outside the su-pervised ski area, is fascinating. Despite all the pleasure that off-piste skiing brings, you should never forget that it has its risks. Approximately 90 % of avalanches are triggered by skiers and boarders themselves. Despite state-of-the-art avalanche emergency equipment, an avalanche is still a potentially life-threatening incident! Every freerider must strive to do eventiand their power to avail an avalanche. do everything in their power to avoid an avalanche.

Reducing the risk of an avalanche starts long before leaving the supervised ski situation report carefully: What is responsible skiing today and what is not?

FACTORS IN AVALANCHE FORMATION

The avalanche risk is determined by the interaction of conditions, terrain and humans.

- ++ Conditions: the danger increases with the intensity of the snowfall and strong wind. This combination causes delicate snowdrifts that are distin-guishable by dissipated mountain crests, snow cornices and wind erosion. A fast and distinctive rise in temperature also leads to increased avalanche risks, which can often be the case on spring days. Clear alarm signs that indicate a heightened risk include fresh avalanches, muffled "whumpf" noises and cracks in the snow cover.
- ++ Terrain: avalanches are possible from a run inclination of approx. 30°. Basic rule: the steeper the run, the more dangerous it is. Typical avalanches happen on the shaded side (northern exposure), close to ridges and are filled with wind-driven snow.
- ++ Humans: the majority of slab avalanches (= typical winter sports avalanches) are triggered by skiers themselves. Therefore, the risk of triggering an avalanche is increased or reduced largely based on how humans behave.





FREERIDE **CHECKPOINT**

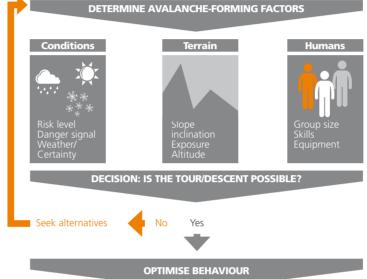
The freeride checkpoints at the Eisgrat and Gamsgarten mountain stations are meeting points and information centres for all freeriders. You can get important information on route planning here. All Powder Department runs are located off-piste and in unsupervised ski areas. You are acting exclusively under your own responsibility and are now beyond the area of liability of the cable car company! You alone decide on risk and fun, your health, your life. Full safety equipment should be taken (AVS equipment, shovel, probe, helmet, mobile phone). General map with freeride routes, current weather information, avalanche warning info, description of slope exposure and AVS check enable excellent tour planning.

ORTOVOX TRAINING PARK

Avalanche victim search training at the Gamsgarten. Learn to search for victims with AVS machines and avalanche probes. Equipment use is free. Introductory courses on demand.

Passionate freeriders receive basic knowledge for off-piste skiing in special camps. For example: SAAC Basic Camps, SPORT OKAY AVS trainings or Safety Academy courses. Information: **powder-department.com**

ASSESS **RISK** AND OPTIMISE BEHAVIOUR



- ++ Do not ski alone!

EMERGENCY EQUIPMENT

Basic, mandatory equipment for freeriders includes: avalanche victim search equipment, shovel, probe and mobile phone for emergencies. Additional emergency systems such as avalanche airbags are recommended.

In addition to the emergency equipment, a helmet should be worn as stand-ard – other protective equipment is recommended. The sports shops at the mountain stations have a big selection of helmets, protectors and emergency equipment in the shop and to rent.

BEHAVIOUR IN EMERGENCIES:

- ++ Gain an overview: Who and how many victims have been buried? ++ If possible without losing time: Make **Alpine distress call 140** or the
- H possible without losing time. Make Applied tastess call 140 of the European distress call 112 works on all networks.
 ++ Immediately search for the avalanche cone using your eyes and ears and start the avalanche victim search at the same time. Switch off unnecessary avalanche transceiver equipment, provided there is no danger of secondary avalanches. ++ Clear snow from head and chest first - then begin immediate life-saving procedures.
- ++ Protect the victim from hypothermia.
- ++ Switch all avalanche transceiver equipment back to "Send" after search has ended.
- ++ Make distress call now at very latest: Alpine distress call: 140

NOTFALL APP BERGRETTUNG TIROL

The app "Notfall App Bergrettung Tirol" operated by Tirol Control Centre was specially developed for emergencies in the Alpine region. In acute emergency stuations it transmits your current location (via GPS coordinates) to Tirol Con-trol Centre at the touch of a button and establishes a telephone connection with the latter. Then the National Control Centre in Tirol alarms and deploys the necessary rescue teams.



from the App Store (Apple) and Google Play Store.

The app is free to download

RISK FACTORS

INCREASED RISK ++ Poor visibility ++ Large group ++ Shock impact on snow

- cover (jumps, falls) ++ Fall hazard
- ++ Risk of burial because
- slope is above ++ Large slope

cover (spacing) ++ Rugged terrain and/or ridges ++ Small slopes that level off ++ Slope is beneath me ++ Defensive route selection ++ Slope is navigated frequently

++ Small group ++ Protection of snow

LOWER RISK

PLEASE NOTE

When using the powder department runs, you leave the secured ski area! The routes are NOT prepared, NOT safeguarded from avalanches (and oth-er Alpine hazards) and will NOT be checked. The powder department runs (as free ski terrain always is) are declared neither closed nor "open". You act solely on your own responsibility and are outside the scope of liability of the lift operators, who provide only open, prepared runs and ski routes for your downhill skiing, and assume

CONTACT: Bergführerbüro Stubai-Alpin, Tel. 0043 5226 3461, stubai-alpin.com The Freeride Center, Tel. 0043 650 560 8797, freeride.center

IMPORTANT

++ Fresh snow or rain always increases the risk of an avalanche.
 ++ The first fine day after snowfall is particularly hazardous!
 ++ Fresh snowdrifts are often easy to trigger.
 ++ Fast, distinctive temperature rises and/or strong sunlight

- increase the risk of an avalanche.
 ++ Poor visibility (fog) not only impairs orientation but also makes it difficult to assess the avalanche situation.

Consequences for transportation routes Consequences for persons outside secured zones /

AVALANCHE КЛОМ-НОИ

freeride guide also present some selected routes in videos.

* depending on season (announcement online and on Stubai TV)

AVALANCHE WARNING

Every day during winter at 7.30 am the Tyrolean Avalanche Warning Service gives an assessment of the current avalanche danger based on the five-point scale used throughout of Europe. **More information on the Stubai gla**-

Source: Institut für Schnee- und Lawinenforschung SLF ++ Navigate key locations (steepest passages) one at a time ++ Avoid steep slope areas
++ Always assess recent snowdrifts critically

Danger level Snowpack stability

- ++ Observe daily temperature increases ++ Always set avalanche transceiver equipment to "Send" test perfect functioning before starting (partner check) and check batteries
- ++ Stay in the supervised ski area when visibility is poor!
- ++ Never follow unknown tracks in unfamiliar terrain!

EUROPEAN AVALANCE DANGER SCALE

Avalanche triggering probability

SAFETY ACADEMY

READING ONDUCT IN WILD TERRAIN



The likelihood of an avalanche being triggered depends on the slope gradient and risk level. The lower the risk level, the steeper the slopes you can ski on and vice versa: the higher the risk level, the flatter the selected slopes should be. Risk assessment requires experience and training! The right know-how is taught in an established way at several Safety Events at the Stubai Glacier and/ or by state-certified mountain and ski guides.

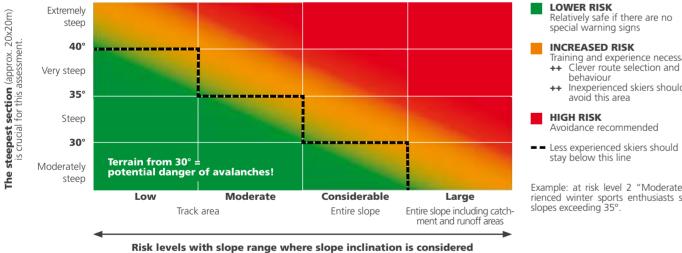
lanche warning service for the south Ötztal and Stubal Alps region. It is important that you read the detailed information carefully, not just skim over to the warning level. www.lawine.at/tirol

SLOPE INCLINATION

Slope gradients above 30° are coloured on the map overleaf or can be measured on the terrain (with ski poles or using the app – see powder-department. com). The steepest section (approx. 20x20 m) is crucial for this assessment. If you take both factors you can assess the risk with this chart:



Source: Institut für Schnee- und Lawinenforschung SLF



Relatively safe if there are no special warning signs

INCREASED RISK

- Training and experience necessary ++ Clever route selection and clever ++ Inexperienced skiers should
- Avoidance recommended

stay below this line

Example: at risk level 2 "Moderate" less experienced winter sports enthusiasts should avoid slopes exceeding 35°.

	Bunger lever	Showpack subling	Producting producting	and settlements / recommendations	recommendations
5	very high	The snowpack is poorly bonded and largely unstable in general.	Many large and multiple very large natural avalanches are expected, even in moderately steep terrain.	Acute danger. Comprehensive safety measures.	Highly unfavourable conditions. Avoid open terrain.
4	high	The snowpack is poorly bonded on most steep slopes*.	Triggering is likely even from low additional loads** on many steep slopes. In some cases, numerous medium- sized and often large-sized natural avalanches can be expected.	Many exposed sectors are endangered. Safety measures recommended in those places.	Unfavourable conditions. Extensive experience in the assessment of avalanche danger is required. Remain in moderately steep terrain / heed avalanche run out zones.
3	considerable	The snowpack is moderately to poorly bonded on many steep slopes [*] .	Triggering is possible, even from low additional loads** particularly on those steep slopes indicated in the bulletin. In some cases medium-sized, in isolated cases large-sized natural avalanches are possible.	Isolated exposed sectors are endangered. Some safety measures recommended in those places.	Partially unfavourable conditions. Experience in the assessment of avalanche danger is required. Steep slopes of indicated aspects and altitude zones should be avoided if possible.
2	moderate	The snowpack is only moderately well bonded on some steep slopes*, otherwise well bonded in general.	Triggering is possible primarily from high additional loads**, particularly on those steep slopes indicated in the bulletin. Large-sized natural avalanches are unlikely.	Low danger of natural avalanches.	Mostly favourable conditions. Careful route selection, especially on steep slopes of indicated aspects and altitude zones.
1	low	The snowpack is well bonded and stable in general.	Triggering is generally possible only from high additional loads** in isolated areas of very steep, extreme terrain. Only sluffs and small-sized natural avalanches are possible.	No danger	Generally safe conditions

Explanations:

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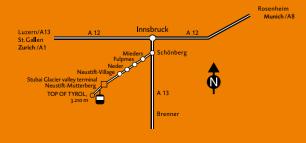
- * Generally described in more detail in the avalanche report
- (e.g. altitude, exposure, terrain) ** Additional load: ++
- Large: e.g. two or more skiers/snowboarders etc. without spacing; snowcat; avalanche blasting
- Small: e.g. individual skiers/snowboarders, snowshoe hikers
- Spontaneous: without human intervention
- ++ Exposure: direction in which the slope drops
- Exposue: anector in wine stope drops
 Exposed: particularly exposed to danger
 Moderately steep terrain: slopes flatter than approx. 30°
- ++ Steep slopes: Slopes steeper than approx. 30°
- ++ Extremely steep terrain: particularly unfavourable slopes in terms of inclination (steeper than 40°), terrain, near ridges and ground roughness.



THE STUBAI GLACIER IS VERY CONVENIENTLY LOCATED.

- ++ CAR The Stubaital is about a 20 minute drive from the Olympic city of Innsbruck along the A 13 Brenner autobahn (Europa bridge). Take the exit for Schönberg, the first village in the Stubaital, then continue on to Fulpmes and Neustift. From Neustift, it takes about 20 minutes to get
- ++ PUBLIC TRANSPORT From Innsbruck's main railway station: Take the scheduled bus straight to Neustift/ Mutterberg (Stubaital service).

Your ski pass entitles you to FREE travel on the ski bus between Schönberg and Mutterberg



STUBAIER GLETSCHER Mutterberg 2 · 6167 Neustift · Austria Tel. 0043 5226 8141 · Fax 0043 5226 8141 150 Snow tel. 0043 5226 8141 400 info@stubaier-gletscher.com stubaier-gletscher.com



SHOP • RENT • SERVICE • DEPOT

AT THE HIGHEST LEVEL Full safety equipment is essential if leaving the supervised ski area your equipment in our sport For perfect powder pleasure w mend Freeride-Rocker or Bac Twin-Tip. The right equipment able in our sports shops at Eis Gamsgarten.

EXCELLENT EOUIPMENT

Our sports shops located directly in the ski area stock a wide range of leading brands for skis, boards, boots and ac cessories at brilliant prices. With top advice from our expert personnel, begin your day off-piste perfectly equipped.

SERVICE

- ++ Pick up your Service Safety Pass and enjoy ski surface and edge servicing for the entire "life" of
- your skis for a fair price. ++ 2-HOUR FREE TRIAL: Bring
- your skis for a "PROFESSIONAL SERVICE" and test global innovations free of charge.

Our sports shops also stock the right accessories for the perfect day offpiste: new batteries for avalanche transceiver equipment devices, Go-Pro memory cards, avalanche safe-ty equipment, and much more –

REDUCED TO
PROTECTION



The sensationally LIGHT and COMPACT AVABAG SYSTEM provides **PROTECTION** – even during the most demanding of activities. This has been achieved through a new welding technology and an innovatively simple venturi unit. A reduced number of parts and a completely closed, robust system make the AVABAG light, compact and extremely reliable!



ORTOVOX



2-day avalanche camps in theory and practice. The 2nd Step Camp delivers knowledge for advanced learner. Information and registration: **saac.at**

SPORT OKAY AVALANCHE SAFETY DAYS Theoretical introduction to the avalanche victim search and practical exercises at the avalanche rescue training station under realistic conditions.

KÄSTLE POWDER DEPARTMENT LADIES DAYS For all Ladies who enjoy themselves regularly in Powder snow or are looking for a ride in the off piste area. With guiding, workshops and equipment test.

SAFETY ACADEMY EVENTS Avalanche victim search training by ORTOVOX. As well as learning the risk-awareness conduct in terrain and how many dangers can be eliminated by good tour preparation. Information and registration: **ortovox.com** or **powder-department.com**

For details and dates about the freeride events at: stubaier-gletscher.com



Rental prices per day: Freeride skis or board

Please bring valid identification! Rental prices include damage and theft insurance with excess, terms and con-

- as often as you like

- up to 16 years of age ++ Half-day rates until 12.30 or
- ditions apply. **RENTAL- SPECIAL SERVICES** ++ Free exchanges in the ski region
- ++ Free storage of our rental
- equipment ++ Free servicing of rental skis and
- snowboards
 ++ 50 % discount for children
- from 12.00

a! Check	(Premium Class)	€	30.00
ts shops.	Shoes	€	12.00
ve recom- ckcountry	Powder Safety Pac backpack, avalanche	ckage:	
nt is avail-	victim search device (A	AVS),	
sgrat and	shovel probe	€	17.00
-	Avalanche airbag	€	30.00
	Helmet	€	7.00



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IMPORTANT RULES

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- ++ Fresh snowdrifts are often easy to trigger.
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- ++ Poor visibility (fog) not only impairs orientation but also makes it difficult to assess the avalanche <u>situation</u>.



HAZARDS IN THE HIGH MOUNTAIN REGION

has its dangers: crevasses, avalanches, snowstorms, sud-den fog, but also strong sunlight. Please note that you are solely responsible for your safety if you leave marked, open

The fascinating beauty of the high mountain region also pistes! You are entering high Alpine, glaciated areas subject to avalanches. Proper equipment and knowledge of Alpine dangers is absolutely essential! Check the current avalanche report before entering open terrain

POWDER DEPARTMENT RUNS

DIFFICULTY

Freeriding begins where piste skiing ends. The demands of the runs far exceed those of black pistes and are therefore reserved solely for excellent skiers (the higher the number of the run, the more difficult it is). In addition to the run, there is also a GPS track on **powder-department.com**,

FREERIDE ZOO Start: Pfaffengrat double chairlift mountain station Super terrain for anyone who wants lay the first

tracks in the backcountry – but also perfect for jib-bing over and between various mini cliffs and av-alanche supporting structures. Attention! Can be really hairy!

2 2 HIGHWAY I AND II Start: Rotadl 8-seater chairlift

mountain station

Proper intensification to freeriding level Zoos: two short but steep channels (up to 35 degrees and/or almost 40 degrees) that are perfect for venturing interstemps terrely into steeper terrain.

3 PANORAMA Start: Daunjoch 4-seater chairlift mountain station

The name Panorama is no coincidence: you have an excellent view of the ski area during the entire descent. Ideal terrain for covering early in the morning and for gaining an overview of the other Powder

NORTH FACE Start: Rotadl 8-seater chairlift

mountain station Here things get a bit more serious because rocky terrain requires considered route choices. Quite diverse with narrow channels and small drops.

5 FERNAU XPRESS

Start: Eisjoch T-bar mountain station Wide slopes open up on the way to Fernau and enable countless turns. Beware of crevasses in early winter and hairy terrain in the lower section.

6 GAMSGRAT

Start: Gamsgarten mountain station Nice short run incorporating a couple of cliff drops at the end.

1/ULTIMO Start: Dresdnerhütte, above

Fernau mid station THE line that catches the eye of every freerider during the ascent. Long run that places certain demands on fitness and ski technique – avalanche risk not to be underestimated!

which you can download onto your GPS or smartphone, as well as a Powder Department Track Book (detailed descrip-tion of each run with various sketches, images, info about sources of danger) to make it easier to navigate and master key sections.

DIRETTISSIMA Start: Murmele 6-seater chairlift

mountain station Even if you can scarcely believe it, there is an exciting run through the narrow valley of the Wilde Grub'n ski route itself. The best place to start is at "Murmelebahn" heading onto the valley descent and then keeping right to enjoy the broad, wide slopes.

10 THE WALL Start: Fernau 6-seater chairlift

Start: Fernau 6-seater chairlift mountain station Top variant in one of the quietest corners of the area. Looks rather bland to begin with (note: entry a good 40 degrees steep – risk of avalanche!). Powder is guaranteed into spring thanks to its exposure.

HARD ROCK Start: Fernau 6-seater chairlift

mountain station Short but demanding run between rocks. Advanced skiers can skilfully play with the terrain and find in-teresting drops ranging from easy-peasy to Harakiri.

IDDEN VALLEY Start: Kitzlift mountain station

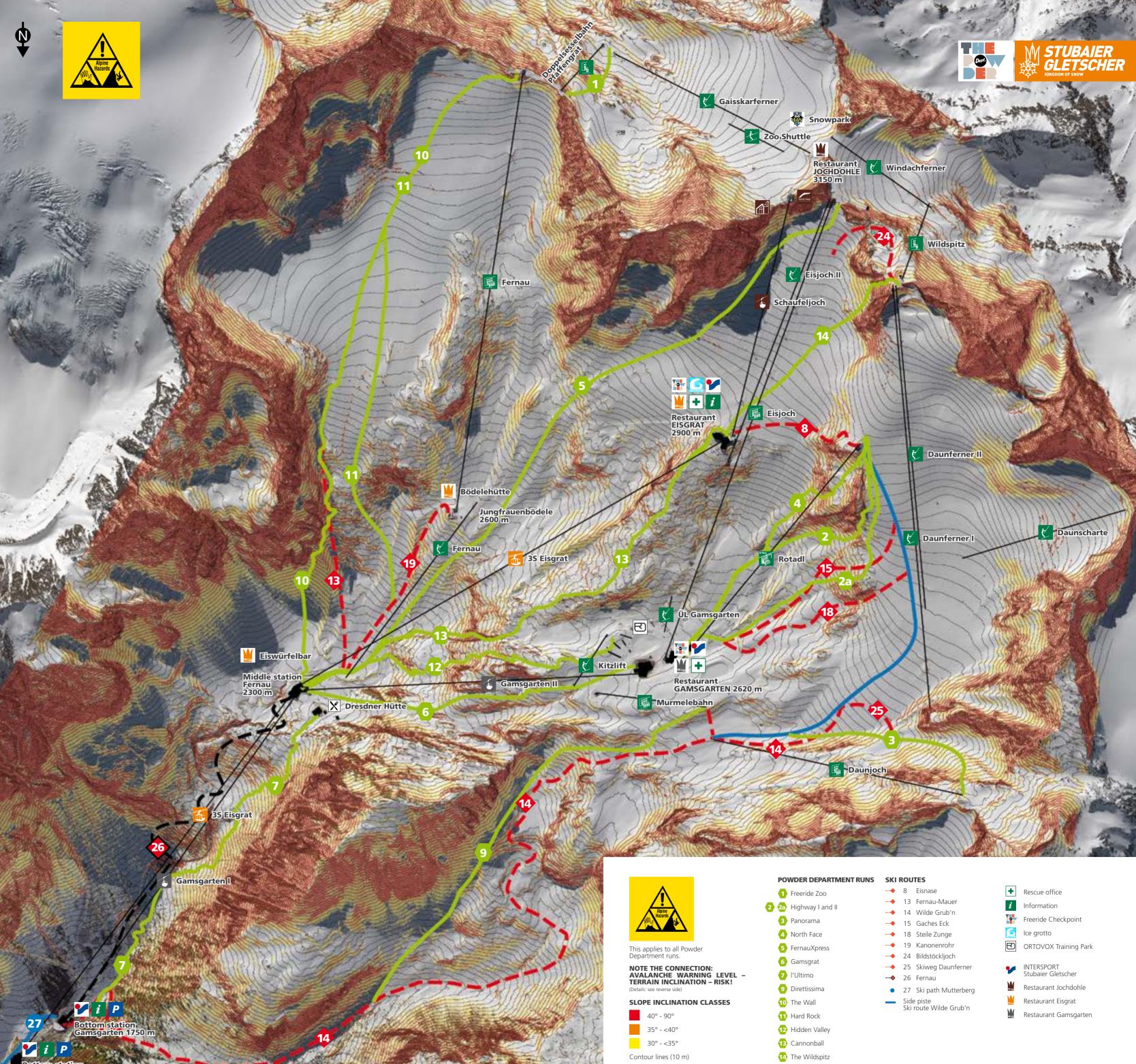
at Gamsgarten As the name suggests the run is hidden – there's a reason why you have to put up with a 10-minute like to find it. But, provided conditions are right, the short exertion is worth it!

13 CANNONBALL

Start: Eisgrat mountain station The name speaks for itself: it begins rather pleas-antly over fine jib terrain before entering the barrel of the gun. Impressive, steep channel that spits you out again right in front of the piste. You feel like a human cannon ball.

14 THE WILDSPITZ Start: Wildspitz double chairlift

mountain station But now beware! Right after the station from nought to hundred at 45 degree inclination! Falling in terrain like this is not a good idea – you have to be really clean on the edges and anyone who is not 100% certain on the entry should take the diversion via the Bildstöckljoch ski route (see Track Book), which also has its charm.



+	Rescue office
i	Information
•	Freeride Checkpoint
6	lce grotto
R	ORTOVOX Training Pa
•	INTERSPORT Stubaier Gletscher
M	Restaurant Jochdohle
¥	Restaurant Eisgrat