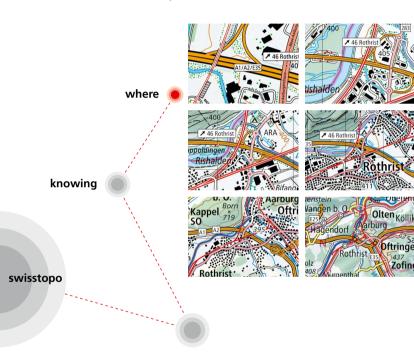
## Conventional signs

National Maps 1:10000 to 1:1 Million





Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Confederation

Federal Office of Topography swisstopo www.swisstopo.ch

## National Maps 1:10 000, 1:25 000 and 1:50 000

#### Roads, tracks Standard gauge railway multiple tracks, under construction A1 \_\_\_\_ Motorway, under construction Standard gauge railway singletrack, under construction Expressway, under construction = A52 = = = = Narrow gauge railway multiple 10 m Road (> 10 m) \_\_\_\_\_ tracks, under construction hard surface, unsurfaced Narrow gauge railway 8 m Road (> 8 m) single-track/light railway, \_\_\_\_\_ hard surface, unsurfaced under construction Siding 6 m Road (> 6 m) \_\_\_\_\_ hard surface, unsurfaced Gallery 4 m Road (>4 m) hard surface, unsurfaced Tunnel 3 m Road (> 3 m) hard surface, unsurfaced, Aerial cableway with pylons not suitable for vehicles 2 m Track (> 2 m) Cable car/chairlift with pylons hard surface, unsurfaced, not suitable for vehicles Goods lift/out-of-service cableway with pylons 1 m Track (< 2 m), footbridge Signposted route Ski lift Track fragment Conveyor Via ferrata (NM10) Lift Barrier, traffic ban Landing stage Steps \_\_\_\_\_ Car ferry Trunk road 24 Main connecting road 288 Passenger cable ferry, ٨ passenger ferry Slip road, ₹2 Zug ¥14 La Veyre motorway interchange **Buildings and constructions** Service station ¥ Thurau Building .... High-rise building > 25 m Gallery/covered bridge ..... .... Open building/greenhouse/ $\mathbf{z}$ flying roof ====== Tunnel Remote inn Cooling tower Public transport Church tower/sacred tower 0 VIIIIIII Chapel Railway station Tower Stop, on road Observation tower Underground railway station -----Observation tower with antenna Car-loading train station

Small antenna  \$				
Tall chimney  Triangulation pyramid  Shrine/cross  Though a continue to the process of the proce	Large antenna	ţ	Cemetery	++++++++++++
Triangulation pyramid  Shrine / cross  1 Hospital / clinic  Wind turbine  Wall, ruin  Dry wall  Avalanche barricade  Sports ground  Running track  Ski jump  Racecourse (horses)  Toboggan run  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Airfield  A	Small antenna	4	Leisure facility/park	
Irangulation pyramid  A Shrine/cross	Tall chimney	⊗	Car park /traffic zono	
Monument  Wind turbine  Wall, ruin  Dry wall  Avalanche barricade  Sports ground  Running track  Ski jump  Racecourse (horses)  Toboggan run  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water supply facility (reservoir, tank, p	.,	Δ		
Wind turbine  Wall, ruin  Dry wall  Avalanche barricade  Sports ground  Running track  Ski jump  Racecourse (horses)  Toboggan run  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Keruyères  All Lake with varying water level  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Airfield  Keruyères  Airfield  Keruyères  All Lake with varying water level  Wetland  (marsh, reeds, alluvial zone)  River weirs  Plant nursery  Vineyard  Electrical substation  F f f f  Solar power station  Waste disposal site  Boundaries  National border of Switzerland with markers  21  National border of switzerland with markers  Nati		±	Hospital/clinic	H
Wall, ruin Dry wall  Avalanche barricade Sports ground Running track Ski jump Racecourse (horses)  Toboggan run Rifle range High-voltage power line Airfield, hard-surface runway Airfield, grass strip Dam wall  Sites  Airport Regional aerodrome Airfield Heliport Campsite Golf course  Plant nursery Vineyard Vineyard  Vineyard  Vineyard  Electrical substation  J J J Solar power station  Waste disposal site  Waste disposal site  Waste disposal site  National border of Switzerland with markers  21 National border of switzerland with markers National		<del>-</del>	Orchard	
Wall, ruin  Dry wall  Avalanche barricade  Sports ground  Running track  Ski jump  Racecourse (horses)  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Airfield  Airfield  Carmpsite  Aireled  Airfield  Carmpsite  Aireled  Airele		٨	Plant nursery	
Avalanche barricade  Sports ground  Running track  Ski jump  Racecourse (horses)  Toboggan run  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Airfield  Airfield  Airfield  Airfield  Airfield  Airgort  Regional aerodrome  Airfield  Airfield  Airgort  Regional aerodrome  Airfield  Airfield  Airgort  Regional aerodrome  Airfield  Airgory  Airfield  Airgory  Airg	Wall, ruin	_	,	
Sports ground  Running track Ski jump  Racecourse (horses)  Toboggan run  Rifle range High-voltage power line Airfield, hard-surface runway Airfield, grass strip Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall  Sites  Airport  Airfield  Airfie	Dry wall	····	Vineyard	
Running track  Ski jump  Racecourse (horses)  Toboggan run  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Airfield  A	Avalanche barricade		Electrical substation	4 4 4
Ski jump  Racecourse (horses)  Toboggan run  Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Heliport  Campsite  Golf course  Water disposal site  Boundaries  National border of Switzerland with markers  21  National border of Switzerland with markers  Vational boundary  National boundary  District boundary  Municipal boundary  Water  Spring, waterfall  Watercourses (stream, river)  Lake, lake level, maximum depth  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel		<b></b>	Solar power station	
Racecourse (horses)  Boundaries  National border of Switzerland with markers  National border disputed  Cantonal Parkers  National Parkers  National Parkers	Running track		Waste disposal site	
Racecourse (horses)  Toboggan run  Riffe range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Airfield  Regional aerodrome  Airfield  Airfield  Regionsite  A  Riffier ange  National border of Switzerland with markers  National border disputed  Cantonal boundary  District boundary  Municipal boundary  National park boundary  Water  Spring, waterfall  Watercourses (stream, river)  Landing stage  Lake, lake level, maximum depth  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Allstances	Ski jump	=====	waste disposal site	
Rifle range  High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Regional bendary  National boundary  National boundary  National boundary  National park boundary  Nation	Racecourse (horses)	( )	Boundaries	
High-voltage power line  Airfield, hard-surface runway  Airfield, grass strip  Pond, swimming pool  Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Airf	Toboggan run	$\sim$		21
Airfield, hard-surface runway Airfield, grass strip Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam Wall  Sites  Airport  Regional aerodrome  Airfield  Airfie	Rifle range	•	National border other countries	
Airfield, grass strip Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall  Sites  Airport  Regional aerodrome  Airfield  Heliport  Campsite  Golf course  District boundary  Municipal boundary  National park boundary  Water  Spring, waterfall  Watercourses (stream, river)  Lake, lake level, maximum depth  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	High-voltage power line		National border disputed	
Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower  Dam Dam wall  Sites  Airport  Regional aerodrome  Airfield  Heliport  Campsite  Golf course  District boundary  Municipal boundary  National park boundary  Water  Spring, waterfall  Watercourses (stream, river)  Landing stage  Lake, lake level, maximum depth  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Airfield, hard-surface runway		Cantonal boundary	
Fountain  Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam wall  Sites  Airport  Regional aerodrome  Airfield  Airfield  Campsite  Golf course  Allebrate  Allebrate  Water supply facility (reservoir, tank, pumping station)  Water  Spring, waterfall  Watercourses (stream, river)  Landing stage  Lake, lake level, maximum depth  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Airfield, grass strip		District boundary	
Water supply facility (reservoir, tank, pumping station)  Water tower  Dam  Dam Wall  Sites  Landing stage  Lake, lake level, maximum depth  Regional aerodrome  Airfield  Airfield  Watercourses (stream, river)  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Pond, swimming pool		Municipal boundary	
Water tower  Dam  Dam wall  Sites  Lake, lake level, maximum depth  Regional aerodrome  Airfield  Heliport  Campsite  Golf course  Water  Spring, waterfall  Watercourses (stream, river)  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Fountain	0	National park boundary	
Spring, waterfall  Watercourses (stream, river)  Sites  Landing stage  Lake, lake level, maximum depth  Regional aerodrome  Airfield  Ai		•	Water	
Dam wall  Sites  Landing stage  Lake, lake level, maximum depth  Regional aerodrome  Airfield  Airfield  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Water tower	•		
Sites  Landing stage  Lake, lake level, maximum depth  Regional aerodrome  Airfield  Airfield  Wetland (marsh, reeds, alluvial zone)  River weirs  Alleterate  Alleterate  Alleterate	Dam		Spring, waterfall	
Airport  Regional aerodrome  Airfield  Heliport  Campsite  Alletmost  Airport  X ZÜRICH  Lake, lake level, maximum depth  Lake with varying water level  Wetland (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Dam wall		Watercourses (stream, river)	
Airport  Regional aerodrome  Airfield  Heliport  Campsite  Golf course  Alleterate  Airport	Sites		Landing stage	
Airfield  Wetland (marsh, reeds, alluvial zone)  River weirs  Golf course  Allebrate  Allebrate  Airfield  Pressure pipeline, drainage tunnel	Airport	<b>≭</b> ZÜRICH		434 (127)
Heliport  Campsite  Golf course  Alleterate  Alleterate  (marsh, reeds, alluvial zone)  River weirs  Pressure pipeline, drainage tunnel	Regional aerodrome	★ Lugano-Agno	Lake with varying water level	
Heliport  Campsite  A  River weirs  Pressure pipeline, drainage tunnel	Airfield	ス Gruyères		_=====
Campsite  A River weirs  Pressure pipeline, drainage tunnel	Heliport	H	(marsh, reeds, alluvial zone)	
drainage tunnel	·		River weirs	
Alletment	Golf course	1 1		
	Allotment			

#### Land cover

Contour lines: earth, scree, lake/glacier

NM10: 10 m (Lake: 20 m)

NM25: 10 m (Jura Mtns., Plateau), 20 m (Alps)

NM50: 20 m

Index contours: earth, scree, lake/glacier NM10: 100 m

NM10: 100 m NM25: 100 m NM50: 100 m

NM50: 100 m Spot height ,1587 ,713

-1800-

—1800—— ——1800-

......

\* (3)

Escarpment (earth, stone)

Doline, small depression

Gravel pit

Cave/grotto

Quarry

Rock, boulder, debris

Glacier, moraine

Scattered forest

Scrub

Forest

Isolated tree, grove (hedge)

#### Lettering

Municipality with more than 100 000 inhabitants

Municipality with 50 000 to 100 000 inhabitants LUGANO

BASEL

.....

Municipality Place District/Quarter with 10 000 to 50 000 inhabitants **VEVEY Oerlikon** *Bethlehem* 

Municipality Place District/Quarter with 2000 to 10 000 inhabitants

Municipality Place District/Quarter with 1000 to 2000 inhabitants

Municipality Place District/Quarter with 100 to 1000 inhabitants

Municipality
Place
District/Quarter
with 50 to
100 inhabitants

Municipality Place District/Quarter with fewer than 50 inhabitants

Mountains, hills

Passes

Regions, areas

Sargans Wabern Loreto

Andermatt Niederwangen Chézard

Allmendingen Trübbach Hardau

Zwischbergen Milken Casut

Kammersrohr Hofwil Scherzlige

Piz Bernina Wildhorn Mont Tendre Bölcheflue Cima Pescia

Passo del Bernina Col de la Croix Hohtürli Tschingelpass

Surselva Kiental Pfywald Allmend Grundwald

Le Léman Saane

Rivers, lakes, glaciers

Lac de Joux Greifensee Lago Ritóm Lei dals Chöds

## National Map 1:100 000

Roads, tracks		Siding	
Motorway, under construction	A1	Gallery	
Expressway, under construction		Tunnel	======
10 m Road (> 10 m) hard surface, unsurfaced		Aerial cableway with pylons	<del></del>
6 m Road (> 6 m) hard surface, unsurfaced		Cable car/chairlift with pylons	<del></del>
3 m Road (> 3 m) hard surface, unsurfaced		Goods lift/out-of-service cableway with pylons	
2 m Track (> 2 m) hard surface, unsurfaced, not suitable for vehicles		Landing stage	∹
1 m Track (< 2 m), footbridge		Car ferry	=======
Signposted route		Duildings and sensitive	
Track fragment		Buildings and construc	ctions
Trunk road	24	Building	
Main connecting road		Open building/greenhouse/ flying roof	<b>Z</b>
Slip road, motorway interchange	<b>才</b> 2 Zug) <b>Y</b> 14 La Veyre	Remote inn	<u> </u>
Service station	<b>X</b> Thurau	Cooling tower	0
Gallery/covered bridge		Church tower/sacred tower	•
Tunnel		Chapel	0
		Observation tower	0
Public transport		Observation tower with antenna	<b>‡</b> ⊚
Railway station, stop		Large antenna	ţ
Stop on road		Small antenna	į
Underground railway station		Triangulation pyramid	Δ
Car-loading train station	<b></b>	Wind turbine	٨
Standard gauge railway, under construction		Wall	
Narrow gauge railway, under construction		Ruin	L

Monastery	‡	Water	
Castle	1	Waterfall	
Stadium	0	Watercourses (stream, river)	
High-voltage power line		watercourses (stream, fiver)	
Airfield, hard-surface runway		Landing stage	
Airfield, grass strip		Lake, lake level,	234 (135)
Pond, swimming pool	•	maximum depth	334 (1133)
Dam, dam wall		Lake with varying water level	
Sites		Wetland (marsh, reeds, alluvial zone)	68 <b>5</b> 8
Airport	<b>≭</b> ZÜRICH	River weirs	$\sim$
·		Pressure pipeline	
Regional aerodrome	★ Lugano-Agno	Land cover	
Airfield	ス Gruyères		
Campsite	Δ	Contour lines 50 m: earth, scree, lake/glacier	
Golf course	\$ \$	Index contours 200 m: earth, scree, lake/glacier	—1800—— ——1800——
Cemetery	++++++++		
Traffic zone		Spot height	1587 .713
Hospital/clinic	•	Escarpment (earth, stone)	·····
Electrical substation	1 1 1	Small depression  Gravel pit	
Solar power station	<b>==</b>	Graver pit	N. 6
Boundaries		Quarry	
National border of Switzerland		Forest	
National border other countries		Rock, debris	The state of
National border disputed			※実施の企業による。 ※実施の企業による。 がより、おけんのよい。
Cantonal boundary		Glacier	
National park boundary			

National Map 1:100 000

#### Lettering

Place

Place with more than 100 000 inhabitants

**BASFI** 

Mountains, hills

Piz Güalia Rothorn Mont Sujet Bölcheflue Falkenfluh

with 50 000 LUGANO to 100 000 inhabitants

Passes

Julierpass Col de la Croix

Val Fristal

Lei dals Chöds

Köniztal

Place/district/guarter with 10 000 to 50 000 inhabitants

**VEVEY** Oerlikon **Bethlehem**  Mattertal

Regions, areas

Val Schons Lötschental Allmend

Place/district/guarter with 2000 to 10000 inhabitants

Sargans Wabern Loreto

**Thunersee** 

Place/district/guarter with 1000 to 2000 inhabitants

Salgesch Niederwangen Merlach

Allmendingen

Trübbach

Selhofen

Gampelen

Martina .

Maran

Rivers, lakes, glaciers

Lac de Joux Greifensee Lago Ritóm

Place/district/quarter with 100 to 1000 inhabitants

Place/district/guarter with 50 to 100 inhabitants

Place/district/quarter

with fewer than 50

inhabitants

Kammersrohr Tann

Zihlbrücke

## National Maps 1:200 000 and 1:300 000

Notorway, under construction	A1 — —	Building	<b>:=.</b>
pressway, under construction	A52	Large antenna	\$
m Road (> 6 m), nder construction		Church/sacred building	0
m Road (> 3 m), nder construction		Ruin	L
m Track (> 2 m)		Monastery	<b>‡</b>
m Track (< 2 m), footbridge		Castle	1
unk road	24	Stadium	0
lain connecting road		Dam/dam wall	
unnel			
		Sites	
ublic transport		Airport	<b>≯</b> GENÈ
ailway station, stop			П
ar-loading train station	<b>A</b>	Regional aerodrome	1
tandard gauge railway, Inder construction		Airfield	+
larrow gauge railway, cable ailway and aerial cableway			
nder construction		Boundaries	
unnel		National border of Switzerland	
unnel, under construction			
luseum train		National border other countries	
ar ferry	=======	National border disputed	
		Cantonal boundary	
		National park boundary	

#### Water

Watercourses (stream, river)



Lake, lake level. maximum depth



#### Land cover

Contour lines 100 m: earth, scree, lake/glacier

Index contours 500 m: earth, scree, lake/glacier



Spot height



Small depression



Forest



Rock, debris



Glacier

#### Lettering

Place with more than 1 000 000 inhabitants

**MILANO** 

Place with 100 000 to 1 000 000 inhabitants Place with 50,000 to

BASEL LUZERN

100 000 inhabitants Place with 10 000 to 50 000 inhabitants

Köniz

Place with 2000 to 10 000 inhabitants

Kerzers

Place with 100 to 2000 inhabitants

Zäziwil

Place with fewer than 100 inhabitants

Gondo

Mountains, hills

Matterhorn Chasseral Kronberg Gurten

Passes

**Furkapass** Gemmipass

Area names

Surselva Entlebuch Randen Lavaux Palfris

Rivers, lakes, glaciers

**Bodensee** Thunersee Lac de Morat Klöntalersee

### National Map 1:500 000

#### Roads, tracks

Motorway with slip road, under construction

Expressway with slip road, under construction

6 m Road (> 6 m), under construction

3 m Road (> 3 m), under construction

2 m Track (> 2 m)

1 m Track (< 2 m)

Trunk road

Main connecting road

#### Water

Watercourses (stream, river)



# maximum depth

Lake, lake level.

Spot height .713

Forest

#### **Public transport**

Tunnel

Standard gauge railway, under construction

Narrow gauge railway/cable railway, under construction

Tunnel

Tunnel, under construction

Aerial cableway

Museum train

Car ferry

**Buildings and constructions** 

#### Places

Rock

======

ţ

ţ

more than 1000000 inhabitants



## MILANO

100 000 to 1 000 000 inhabitants



50 000 to 100 000 inhabitants



10 000 to 50 000 inhabitants



2000 to 10 000 inhabitants

Kerzers

fewer than 2000 inhabitants

Zäziwil

Matterhorn

Thunersee

Klöntalersee

## Castle Sites

Large antenna

Monastery

Airport †
Regional aerodrome †

#### Lettering

Rivers, lakes, glaciers

Mountains, hills

Chasseral Kronberg

Passes

Furkapass

Surselva

Area names

Entlebuch
Lavaux

#### **Boundaries**

National border of Switzerland
National border other countries
National border disputed
Cantonal boundary
National park boundary

National Map 1:500 000

10

## National Map 1:1 Million

#### Roads, tracks

Motorway with slip road, under construction

Expressway with slip road, under construction

Trunk road

Main connecting road

**Public transport** 

Standard gauge railway, under construction

Narrow gauge railway/cable

railway, under construction

Tunnel

#### Water

Watercourses (stream, river)

Lake



#### **Places**

more than 1000000 inhabitants



## MILANO

Basel

100 000 to 1 000 000

inhabitants

....abitants



50 000 to 100 000 inhabitants

N.C.

10 000 to 50 000 inhabitants

Köniz

2000 to 10 000 inhabitants

fewer than 2000 inhabitants Cinthal

# Airport

Tunnel



Regional aerodrome

### **†**

#### **Boundaries**

National border of Switzerland

National border other countries

National border disputed

Cantonal boundary

#### Lettering

Mountains, hills

Matterhorn Chasseral

Passes

Furkapass

Spot height

713

Area names

Surselva Goms

Rivers, lakes

Bodensee Thunersee

### Explanatory notes on the national map

#### Topographical map

The Swiss national maps are topographical maps. They show the terrain with all its landforms and features. Representation of the terrain is complemented by its natural and artificial surface cover, including, among other things, woodland, lakes, roads and houses. In addition, the maps contain geographical names, object labels and borders. The spellings are according to the corresponding official source.

#### Modern fundamentals

A cartographic database is made up of fundamentals. To that end, land-scape data have been collected in the topographical landscape model (TLM) in three-dimensional form. The objects required are selected from the TLM and represented cartographically. The results of all this is known as digital cartographic models (DCM) from which, among other things, the national maps are developed.

#### Coordinates

On the national maps, the coordinate lines at right-angles to one another are recorded in the reference system of the Swiss national land survey. Every point in Switzerland can be accurately specified with two numbers. The starting point for the Swiss map projection is in Bern and has the values  $E=2\,600\,000\,\text{m}$  and  $N=1\,200\,000\,\text{m}$ . The first number designates the position in a westeast direction, the second number in a south-north direction.

#### **Updating**

The national maps are updated regularly. The year of issue is shown on the map title page and the date on which the map content was last updated is indicated inside the map. Differences can occur between map and reality owing to continuous changes in the landscape. We would be grateful for details of any changes discovered; these can be reported at www.swisstopo.ch/revision.

## Source of supply

www.swisstopo.ch

