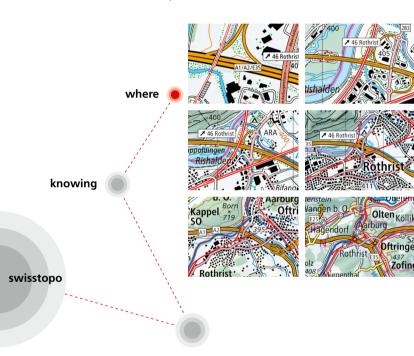
Conventional signs

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	
Motorway, under construction	A1	Standard gauge railway single-	
Expressway, under construction	A52	track, under construction	
10 m Road (> 10 m) hard surface, unsurfaced		Narrow gauge railway multiple tracks, under construction Narrow gauge railway	
8 m Road (> 8 m) hard surface, unsurfaced		single-track/light railway, under construction	
6 m Road (> 6 m) hard surface, unsurfaced		Siding Gallery	
4 m Road (> 4 m) hard surface, unsurfaced		,	
3 m Road (> 3 m) hard surface, unsurfaced, not suitable for vehicles		Tunnel Aerial cableway with pylons	
2 m Track (> 2 m) hard surface, unsurfaced,		Cable car/chairlift with pylons	
not suitable for vehicles 1 m Track (< 2 m), footbridge		Goods lift/out-of-service cableway with pylons	
Signposted route		Ski lift	
Track fragment	=======================================	Conveyor	
Via ferrata (NM10)		Lift	
Barrier, traffic ban		Landing stage	≓
Steps		Conform	3000030000
Trunk road	24	Car ferry	
Main connecting road	288	Passenger cable ferry,	0
Slip road, motorway interchange	✓2 Zug Y 14 La Veyre	passenger ferry	ω ω
Service station		Buildings and constructions	
	★ Thurau	Building	ŏ 🛥
Gallery/covered bridge		High-rise building > 25 m	
Towns		Open building/greenhouse/ flying roof	Z Z
Tunnel		Remote inn	_^
Public transport		Cooling tower	0
- Tublic transport		Church tower/sacred tower	•
Railway station	anning -	Chapel	0
Stop, on road		Tower	٥
Underground railway station		Observation tower	0
Car-loading train station	<u> </u>	Observation tower with antenna	\$
National Maps 1:10 000, 1:25 000	and 1:50,000		2

Large antenna	ţ	Cemetery	++++++++++++
Small antenna	ŧ	Leisure facility/park	
Tall chimney	8	Car park/traffic zone	
Triangulation pyramid	Δ		
Shrine/cross	Ť	Hospital/clinic	H
Monument	Δ.	Orchard	
Wind turbine	٨	Plant nursery	
Wall, ruin	~~]	,	
Dry wall	····	Vineyard	
Avalanche barricade		Electrical substation	4 4 4
Sports ground		Solar power station	
Running track		Waste disposal site	
Ski jump	====	waste disposal site	
Racecourse (horses)		Boundaries	
Toboggan run	\sim	National border of Switzerland with markers	21
Rifle range	•	National border other countries	
High-voltage power line		National border disputed	
Airfield, hard-surface runway		Cantonal boundary	
Airfield, grass strip		District boundary	
Pond, swimming pool		Municipal boundary	
Fountain	•	National park boundary	
Water supply facility (reservoir, tank, pumping station)	•	Water	
Water tower	•		
Dam		Spring, waterfall	
Dam wall		Watercourses (stream, river)	
Sites		Landing stage	
Airport	≭ ZÜRICH	Lake, lake level, maximum depth	434 \(\frac{1}{27}\))
Regional aerodrome	★ Lugano-Agno	Lake with varying water level	
Airfield		Wetland	==
Heliport	$oldsymbol{\Theta}$	(marsh, reeds, alluvial zone)	
Campsite	Δ	River weirs	
Golf course	1 1	Pressure pipeline,	
Allotment		drainage tunnel Dry gully	

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

-1800-

1587

—1800--1800-

.....

* (3)

713

NM25: 100 m NM50: 100 m

Spot height 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

Municipality Place District/Quarter with 10 000 to 50 000 inhabitants VFVFY **Oerlikon Rethlehem**

Municipality Place District/Ouarter with 2000 to 10 000 inhabitants

Municipality Place District/Ouarter with 1000 to 2000 inhabitants

Municipality Place District / Quarter with 100 to 1000 inhahitants

Municipality Place District / Quarter with 50 to 100 inhabitants

Municipality Place District/Ouarter with fewer than 50 inhabitants

Mountains, hills

Passes

Regions, areas

Sargans Wahern Loreto

Andermatt Niederwangen Chézard

Allmendingen Trübbach Hardau

Zwischbergen Milken Casut

Kammersrohr Hofwil Scherzlige

Piz Bernina Wildhorn Mont Tendre Belchenflue Cima Pescia

Passo del Rernina Col de la Croix Hohtürli Tschingelpass

Surselva Kiental Pfvwald Allmend Grundwald

Chlistalde l e l éman

Saane Lac de Joux

Greifensee Lago Ritóm Lej dals Chöds

BASEL

.....

Rivers, lakes, glaciers

National Map 1:100 000

Roads, tracks		Siding -	
Motorway, under construction		Gallery	
Expressway, under construction		Tunnel	
10 m Road (> 10 m) hard surface, unsurfaced		Aerial cableway with pylons -	
6 m Road (> 6 m) hard surface, unsurfaced		Cable car/chairlift with pylons -	
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			
Track fragment		Buildings and construc	tions
Trunk road	24	Building	***
Main connecting road		Open building/greenhouse/	522
Slip road, motorway interchange	✓2 Zug 🕶 14 La Veyre	flying roof Remote inn	•^
Service station	X Thurau	Cooling tower	0
Gallery/covered bridge		Church tower/sacred tower	0
Tunnel		Chapel	0
		Observation tower	•
Public transport		Observation tower with antenna	\$
Railway station, stop		Large antenna	ŧ
Stop on road		Small antenna	ţ
Underground railway station		Triangulation pyramid	Δ
Car-loading train station		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, mer)	
Airfield, hard-surface runway		Landing stage	
Airfield, grass strip		Lake, lake level,	234 (135)
Pond, swimming pool	□ ■	maximum depth	334 (135)))
Dam, dam wall		Lake with varying water level	
Sites		Wetland (marsh, reeds, alluvial zone)	4994
Airport	≭ ZÜRICH	River weirs	
		Pressure pipeline	
Regional aerodrome	★ Lugano-Agno	Land cover	
Airfield	☆ Gruyères		
Campsite	Δ	Contour lines 50 m: earth, scree, lake/glacier	
Golf course	\$ \$	Index contours 200 m: earth, scree, lake/glacier	<u>-1800</u> <u>1800</u> <u>1800</u> -
Cemetery	+++++++	Spot height	_× 1587 .713
Traffic zone		Escarpment (earth, stone)	× · ·
Hospital/clinic	•	Small depression	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Electrical substation	<i>f f f</i>	Gravel pit	
Solar power station	=		
Boundaries		Quarry	
National border of Switzerland		Forest	
National border other countries		Rock, debris	LA COMPANY
National border disputed			ON THE RESIDENCE OF THE PARTY O
Cantonal boundary		Glacier	
National park boundary			TENEST A

National Map 1:100 000

Letterina

Place with more than 100 000 inhabitants

BASFI

Piz Güalia Rothorn Mont Suiet Relchenflue Falkenfluh

Place with 50 000 to 100 000 inhabitants

LUGANO

Passes

Mountains, hills

Julierpass Col de la Croix

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

VEVEY Oerlikon **Rethlehem**

Regions, areas

Mattertal Val Schons Pfywald Allmend

Place/district/guarter with 2000 to 10 000 inhabitants

Sargans Wabern Loreto

Breitkamm Chlistalde

Thunersee

Place/district/guarter with 1000 to 2000 inhabitants

Salgesch Niederwangen Merlach

Allmendingen

Trübbach

Selhofen

Rivers, lakes, glaciers

Place/district/quarter with 100 to 1000 inhabitants

Place/district/guarter with 50 to 100

Place/district/quarter

with fewer than 50

inhabitants

inhabitants

Gampelen Martina . Maran

Kammersrohr Tann Zihlbrücke

Lac de Joux Greifensee Lago Ritóm Lei dals Chöds

National Maps 1:200 000 and 1:300 000

Roads, tracks **Buildings and constructions** Motorway, under construction Building i=. Expressway, under construction A52 === Large antenna 6 m Road (> 6 m). Church/sacred building under construction 3 m Road (> 3 m). Ruin under construction 2 m Track (> 2 m) Monastery 1 m Track (< 2 m), footbridge Castle Trunk road Stadium Main connecting road Dam/dam wall Seelisbergtunnel **=====** Tunnel Sites Airport **≭** GENÈVE **Public transport** Railway station, stop Regional aerodrome Car-loading train station Standard gauge railway, Airfield under construction Narrow gauge railway, cable railway and aerial cableway under construction **Boundaries** Simplontunnel Tunnel National border of Switzerland Tunnel, under construction National border other countries Museum train National border disputed Car ferry ======== 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

1587 713

Small depression



Forest



Rock, debris



Glacier

Lettering

Place with more than 1 000 000 inhabitants

MILANO

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

Place with 100 000 to

LUZERN

BASEL

Place with 10 000 to 50 000 inhabitants

Köniz

Place with 2000 to 10 000 inhabitants

Kerzers

Place with 100 to 2000 inhabitants

Mountains, hills

Zäziwil

Place with fewer than 100 inhabitants

Gondo

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, _____A1______ under construction Expressway with slip road, A52 ======= 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)



Lake, lake level, maximum depth

Land cover

Spot height .713
Forest

Rock



Public transport

Tunnel

Buildings and constructions

Places

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

ţ

ţ

Kerzers

fewer than 2000

Zäziwil

Matterhorn

Thunersee

Klöntalersee

Castle Sites

Large antenna

Monastery

Airport Regional aerodrome

Lettering

Rivers, lakes, glaciers

Mountains, hills

Passes

Furkapass

Surselva

Area names

Area names

Area names

Area names

Area names

Boundaries

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

National Map 1:500 000

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



50 000 to 100 000 inhabitants

Men

10 000 to 50 000 inhabitants

Köniz

2000 to 10 000 inhabitants

fewer than 2000 inhabitants Cinthal

Airport

Tunnel

Allpoit



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

Alpen Toggenburg

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 $E = 1\,200\,000\,\text{m}$. 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

