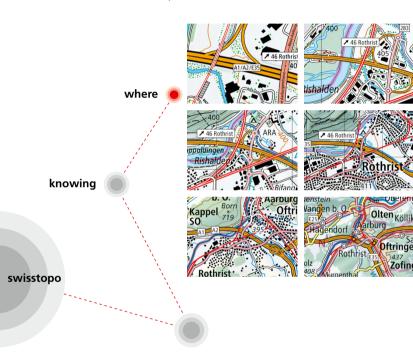
Conventional signs

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 \$ mall antenna				
Tall chimney Triangulation pyramid A Car park/traffic zone Hospital/clinic Honument A Orchard Wind turbine A Wall, ruin Dry wall Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run Riffe range High-voltage power line Airfield, parass strip Dam Dam wall Sites Airport Regional aerodrome Airfield Airfield Airfield Airgort Airfield Airgory Airfiel	Large antenna	ţ	Cemetery	++++++++++++
Triangulation pyramid Shrine / cross thonument 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, prass strip Pond, swimming pool Fountain Dam Dam Dam Dam Dam Dam Dam Da	Small antenna	4	Leisure facility/park	
Inangulation pyramid 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 Spring, waterfall Watercourses (stream, river) Lake, lake level, maximum depth Lake with varying water level Wetland (marsh, reeds, alluvial zone) Rifled	Triangulation pyramid	Δ		
Wind turbine Wall, ruin Dry wall Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run High-voltage power line Airfield, hard-surface runway Airfield, grass strip Dam wall Sites Airport X ZÜRICH Regional aerodrome Airfield Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Lake, lake level, maximum depth Lake with varying water level Wetland (marsh, reeds, alluvial zone) River weirs Pressure pipeline, drainage tunnel		±	Hospital/clinic	Н
Wall, ruin Dry wall Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run High-voltage power line Airfield, hard-surface runway Airfield, grass strip Dam wall Sites Airport Regional aerodrome Airfield Heliport Campsite Golf course Avalanche barricade Electrical substation J J J Solar power station Waste disposal site National border of Switzerland with markers Autional border of switzerland with markers National		-	Orchard	
Wall, ruin Dry wall Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run Riffer ange High-voltage power line Alirfield, hard-surface runway Airfield, grass strip Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Airport X ZÜRICH Regional aerodrome Airfield National border of Switzerland with markers National border of Switzerland with markers 21 National border of Switzerland with markers National border of Switzerland with mar		٨	Plant nursery	
Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run Airfield, hard-surface runway Airfield, grass strip Pond, swimming pool Pountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Airport X ZÜRICH Regional aerodrome Airfield Airfield X Gruyères Heliport Campsite All tataset Electrical substation Y J J Solar power station Waste disposal site Boundaries National border of Switzerland with markers 21 National border of switzerland with markers National border disputed Cantonal boundary National border disputed Cantonal boundary Municipal boundary National park boundary Water Spring, waterfall Watercourses (stream, river) Lake with varying water level Wetland (marsh, reeds, alluvial zone) River weirs Pressure pipeline, drainage tunnel	Wall, ruin	_	,	***************************************
Sports ground Running track Ski jump Racecourse (horses) Toboggan run Riffe 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 Airfiel	Dry wall	····	Vineyard	
Running track Ski jump Racecourse (horses) Toboggan run Rifle range High-voltage power line Airfield, hard-surface runway Airfield, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Airport Airfield	Avalanche barricade		Electrical substation	4 4 4
Waste disposal site Boundaries National border of Switzerland with markers National border other countries National border other countries National border disputed Cantonal boundary District boundary Municipal boundary National park boundary Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Lake, lake level, maximum depth Lake with varying water level Wetland (marsh, reeds, alluvial zone) River weirs Riffer ange National border of Switzerland with markers 21 National border disputed Cantonal boundary District boundary Municipal boundary Water Vwater Lake, lake level, maximum depth Lake with varying water level Wetland (marsh, reeds, alluvial zone) River weirs Pressure pipeline, drainage tunnel			Solar power station	
Racecourse (horses) Boundaries National border of Switzerland with markers National border of Switzerland wi	Running track		Waste disposal site	
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 Airouvers Boundaries National border of Switzerland with markers 21 National border of Switzerland with markers National border of Switzerland with markers 21 National border of Switzerland with markers National border of Switzerland with markers National border of Switzerland with markers 21 National border of Switzerland with markers National border of Switzerland with explant specific plants and sp	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 Meliport Campsite With markers National border other countries National border disputed Cantonal 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	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	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 Airfield Airfield Airfield Campsite Golf course Aleks as a strip 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	High-voltage power line		National border disputed	
Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Landing stage Lake, lake level, maximum depth Lake with varying water level Wetland (marsh, reeds, alluvial zone) Airfield Airfield Airgort Airgort Airgort Airfield A	Airfield, hard-surface runway		Cantonal boundary	
Fountain Water supply facility (reservoir, tank, pumping station) Water tower Dam Dam wall Sites Airport Regional aerodrome Airfield Heliport Campsite Golf course Allaterate 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) Landing stage Lake, lake level, maximum depth Wetland (marsh, reeds, alluvial zone) River weirs Pressure pipeline, drainage tunnel	Pond, swimming pool		Municipal boundary	
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	Fountain	0	National park boundary	
Spring, waterfall Watercourses (stream, river) Sites Landing stage Lake, lake level, maximum depth Regional aerodrome Airfield Heliport Campsite Allstrante Allstrante Spring, waterfall Watercourses (stream, river) Lake with varying water level Wetland (marsh, reeds, alluvial zone) River weirs Pressure pipeline, drainage tunnel		•	Water	
Dam wall Sites Landing stage Lake, lake level, maximum depth Regional aerodrome Airfield Airfield Airfield Campsite Alexandre Arianage tunnel Watercourses (stream, river) Alexandre Alex	Water tower	•		
Sites Landing stage Lake, lake level, maximum depth Regional aerodrome Airfield Airfield Wetland (marsh, reeds, alluvial zone) River weirs Allebrate Allebrate Allebrate Airfield Pressure pipeline, drainage tunnel	Dam		Spring, waterfall	
Airport Regional aerodrome Airfield Heliport Campsite Golf course 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 Airport Air	Sites		Landing stage	
Airfield Wetland (marsh, reeds, alluvial zone) River weirs Golf course Allebrate Airfield Pressure pipeline, drainage tunnel	Airport	≭ ZÜRICH		434 (127)
Heliport Campsite Golf course Alleters are Alleters are Alleters are (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	Wetland	
Campsite Alletracet River weirs Pressure pipeline, drainage tunnel	Heliport	H	(marsh, reeds, alluvial zone)	
drainage tunnel	·		River weirs	
Allaterant	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 NM25: 100 m NM50: 100 m

Doline, small depression

-1800-**—1800**--1800-

713

Spot height

Escarpment (earth, stone)

...... * (3)

1587

Gravel pit

Cave/grotto

Quarry

Rock, boulder, debris

Glacier, moraine



Forest

Scattered forest

Scrub

Isolated tree, grove (hedge)

.....

Lettering

Municipality with more than 100 000 inhabitants

Municipality with 50,000 to 100 000 inhabitants BASEL

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

Rivers, lakes, glaciers

Lac de Joux Greifensee Lago Ritóm Lej 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	
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		B. S.P	
Track fragment		Buildings and construc	tions
Trunk road	24	Building	
Main connecting road		Open building/greenhouse/	
Slip road, motorway interchange	✓2 Zug Y 14 La Veyre	flying roof Remote inn	•
Service station	X Thurau	Cooling tower	0
Gallery/covered bridge		Church tower/sacred tower	0
Tunnel		Chapel	٥
5.111		Observation tower	©
Public transport		Observation tower with antenna	\$
Railway station, stop		Large antenna	ŧ
Stop on road		Small antenna	ł
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, river)	
Airfield, hard-surface runway		Landing stage	
Airfield, grass strip		Lake, lake level,	224 (135)
Pond, swimming pool		maximum depth	334 (135)
Dam, dam wall		Lake with varying water level	
Sites		Wetland (marsh, reeds, alluvial zone)	
Airport	≭ ZÜRICH	River weirs	
		Pressure pipeline	
Regional aerodrome	★ Lugano-Agno	Land cover	
Airfield	ス Gruyères		
Campsite	Δ	Contour lines 50 m: earth, scree, lake/glacier	
Golf course	4 4	Index contours 200 m: earth, scree, lake/glacier	—1800—— ——1800——
Cemetery	+++++++		
Traffic zone		Spot height	,1587 .713
Hospital/clinic	•	Escarpment (earth, stone)	mu um
Electrical substation	7 7 7	Small depression	
		Gravel pit	
Solar power station	==	Quarry	2000
Boundaries		Quarry	
National border of Switzerland		Forest	
National border other countries		Rock, debris	
National border disputed			AND ASIA
Cantonal boundary		Glacier	
National park boundary			

National Map 1:100 000

Letterina

Place

Place with more than 100 000 inhabitants

BASFI

LUGANO

Piz Güalia Rothorn Mont Suiet Relchenflue Falkenfluh

with 50 000 to 100 000 inhabitants

Passes

Mountains, hills

Julierpass Col de la Croix

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

VEVEY Oerlikon **Rethlehem**

Mattertal Val Schons Pfywald Allmend

Place/district/guarter with 2000 to 10 000 inhabitants

Sargans Wabern Loreto

Regions, areas

Chlistalde

Place/district/guarter with 1000 to 2000 inhabitants

Salgesch Niederwangen Merlach

Rivers, lakes, glaciers

Thunersee Lac de Joux Greifensee

> Lago Ritóm Lei dals Chöds

Breitkamm

Place/district/quarter with 100 to 1000 inhabitants

Place/district/guarter with 50 to 100 inhabitants

Place/district/quarter with fewer than 50 inhabitants

Allmendingen Trübbach Selhofen

Gampelen Martina . Maran

Kammersrohr Tann Zihlbrücke

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



713

Small depression



Forest



Glacier

Rock, debris



Lettering

Place with more than 1 000 000 inhabitants **MILANO**

Place with 100 000 to 1 000 000 inhabitants

BASEL

Place with 50,000 to 100 000 inhabitants

LUZERN

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, _____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)



Land cover

Lake, lake level.

maximum depth

Spot height .713
Forest

Places

Rock

more than 1000000 inhabitants



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

Zäziwil

Lettering

Rivers, lakes, glaciers

Mountains, hills	Matterhorn Chasseral Kronberg
Passes	Furkapass
Area names	Surselva Entlebuch _{Lavaux}

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

Sites

Airport + Regional aerodrome +

Boundaries

National border of Switzerland

National border other countries

National border disputed

Cantonal boundary

National park boundary

National Map 1:500 000

Thunersee

Klöntalersee

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

Tunnel

Water

Watercourses (stream, river)

Lake



Places

inhabitants



MILANO

Standard gauge railway, under construction

Narrow gauge railway/cable railway, under construction

Tunnel

Sites

Airport



100 000 to 1 000 000 inhabitants



Basel

50 000 to 100 000 inhabitants

Köniz

10 000 to 50 000 inhabitants

2000 to 10 000 inhabitants

fewer than 2000 inhabitants



Boundaries

Regional aerodrome

National border of Switzerland

National border other countries

Cantonal boundary

National border disputed

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

