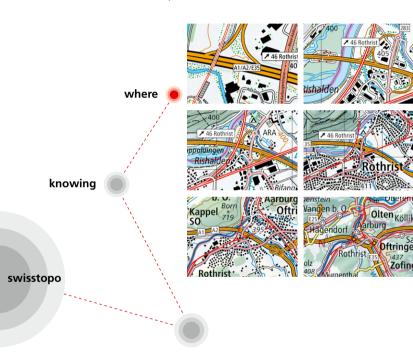
Conventional signs

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/ 777 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 contents \$ mall antenna \$ mall contents \$ mall contents				
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	ŧ	Leisure facility/park	
Transputation pyramid A Hospital / Clinic Monument Wind turbine A Wall, ruin Dry wall Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run Rifle range High-voltage power line Alrfield, hard-surface runway Alrfield, grass strip Pond, swimming pool Fountain Water supply facility (reservoir, tank, pumping station) Water supply facility (reservoir, tank, pumping station) Water supply facility (reservoir, tank, pumping station) Sites Airport X ZÜRICH Regional aerodrome Airfield Airfi	Tall chimney	8	Car park /traffic zone	
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 Wetter Spring, waterfall Watercourses (stream, river) Lake, lake level, maximum depth Lake with varying water level Wetland (marsh, reeds, alluvial zone) Rifled	.,,	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 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 Landing stage Lake, lake level, maximum depth Regional aerodrome Airfield Airfield Keruyères Heliport Gampsite Golf course Aivalanche barricade 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 21 National border disputed Cantonal boundary Municipal boundary Mational 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		٨	Plant nursery	
Avalanche barricade Sports ground Running track Ski jump Racecourse (horses) Toboggan run Rifler ange High-voltage power line 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 Regional aerodrome Airfield Regional carodrome Airfield Regional carodr	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
Ski jump Racecourse (horses) Boundaries National border of Switzerland with markers			Solar power station	
Racecourse (horses) Boundaries National border of Switzerland with markers National border of Switzerland wi	Running track		Waste disposal site	
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 Airfiel	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 Margueres Heliport Campsite With markers National border 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 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 Regional aerodrome Airfield With varying water level Wetland (marsh, reeds, alluvial zone) Airguete Golf course Allaterate District 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	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 \(\frac{1}{27}\))
Heliport Campsite Golf course Alletracet (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 A River weirs Pressure pipeline, drainage tunnel	Heliport	H	(marsh, reeds, alluvial zone)	
drainage tunnel	·		River weirs	TA TA
Allaterant	Golf course	1 1		
	Allotment			

Land cover

Contour lines: earth, scree, lake/glacier

NM10: 10 m

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

-1800-

1587

—1800—— ——1800-

.....

* (3)

713

20 m (Alps)

NM50: 20 m

Index contours: earth, scree, lake/glacier

NM10: 100 m NM25: 100 m

Spot height

NM25: 100 m NM50: 100 m

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

.....

LUGANU

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 Belchenflue Cima Pescia

Passo del Bernina Col de la Croix Hohtürli Tschingelpass

Surselva Kiental Pfywald Allmend Grundwald Chlistalde

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	<u> </u>
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. Haller and a control	•••
Track fragment		Buildings and construc	tions
Trunk road	24	Building	
Main connecting road		Open building/greenhouse/ flying roof	
Slip road, motorway interchange	▼ 2 Zug Y 14 La Veyre	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	ţ
Stop on road		Small antenna	ţ
Underground railway station		Triangulation pyramid	Δ
Car-loading train station	<u>.</u>	Wind turbine	٨
Standard gauge railway, under construction		Wall	~ ~
Narrow gauge railway, under construction		Ruin	L

Monastery	‡	Water	
Castle	ı	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,	234 (135)
Pond, swimming pool		maximum depth	334 (135)
Dam, dam wall		Lake with varying water level	
Sites		Wetland (marsh, reeds, alluvial zone)	4454
Airport	≭ ZÜRICH	River weirs	\sim
•		Pressure pipeline	
Regional aerodrome	★ Lugano-Agno	Land cover	
Airfield	★ Gruyères	Contour lines 50 m:	
Campsite	Δ	earth, scree, lake/glacier	
Golf course	\$ \$	Index contours 200 m: earth, scree, lake/glacier	—1800—— ——1800— ——1800-
Cemetery	+ + + + + + + + + + + + + + + + + + + +	Spot height	_x 1587 ,713
Traffic zone		Escarpment (earth, stone)	x
Hospital/clinic	ш	Small depression	
Electrical substation	1 1 1	Gravel pit	
Solar power station	=		***
Boundaries		Quarry	Ē.
National border of Switzerland		Forest	
National border other countries		Rock, debris	
National border disputed			
Cantonal boundary		Glacier	文 家
National park boundary			Will State of the

National Map 1:100 000

Lettering

Place with more than 100,000 inhabitants

BASEL

Mountains, hills

Piz Güglia Rothorn Mont Sujet Belchenflue

Place with 50 000 to 100 000 inhabitants

LUGANO

Passes

Julierpass Col de la Croix

Place/district/quarter with 10 000 to 50 000 inhabitants VEVEY
Oerlikon
Bethlehem

Regions, areas

Mattertal Val Schons Pfywald Allmend

Place/district/quarter with 2000 to 10000 inhabitants Sargans Wabern Loreto Breitkamm Chlistalde

Lei dals Chöds

Place/district/quarter with 1000 to 2000 inhabitants Salgesch Niederwangen Merlach

Rivers, lakes, glaciers

Thunersee Lac de Joux Greifensee Lago Ritóm

Place/district/quarter with 100 to 1000 inhabitants

Place/district/quarter 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



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

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)



maximum depth

Lake, lake level.

Spot height .713
Forest

Rock



Public transport

Tunnel

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 fewer than 2000



_O Zäziwil

Buildings and constructions

Large antenna	ţ
Monastery	‡
Castle	1

Sites

Airport **
Regional aerodrome **

Lettering

Rivers, lakes, glaciers

inhahitants

Matterhorn
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

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

more than 1000000 inhabitants



MILANO

Basel

Standard gauge railway, under construction

Narrow gauge railway/cable railway, under construction

Tunnel

Sites

Airport





50 000 to 100 000



inhabitants 10 000 to 50 000



2000 to 10 000 inhabitants

inhabitants

fewer than 2000 inhabitants



Boundaries

Regional aerodrome

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

