

Country Profile: Chile

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Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Chile 1:25,000 Scale Topographic Maps	IGMC	1:25,000	1975 - 1981	2
Chile 1:50,000 Scale Topographic Maps	IGMC	1:50,000	1971 - 2014	1,146
Chile 1:100,000 Scale Topographic Maps	IGMC	1:100,000		43
Chile 1:250,000 Scale Topographic Maps	IGMC	1:250,000	1985 - 1995	96

Nautical

Series	Publisher	Scale	Years	Sheets
Chile Nautical Charts (All Scales)	SHOA	Varies	1943 - 2025	590

Aeronautical

Series	Publisher	Scale	Years	Sheets
Chile 1:250,000 Scale Aeronautical Charts	SAF	1:60,000	2010	2

Geoscientific

Series	Publisher	Scale	Years	Sheets
Argentina 1:250,000 Scale Geological Vector Data	EVG	1:250,000	2011	5
Argentina Geological Maps by Province	IGRM	Varies	1993 - 2011	24
Antarctica VSEGI Series 1:5,000,000 Scale Geological Maps	VSEGEI	1:5,000,000	1979	1
Chile Miscellaneous Geological Maps	SERNAGEOMI	Varies		159
Chile 1:100,000 Scale Geological Maps	SERNAGEOMI	1:100,000	1982 - 2012	76
Chile 1:250,000 Scale Geological Maps	SERNAGEOMI	1:250,000	1977 - 1998	55

Thematic

Series	Publisher	Scale	Years	Sheets
The World 1:30,000,000 Scale Topographic Map Series 1145 (NGA)	DMA	1:30,000,000		2

Global Census Archive: GIS Census Data

Year	Questions / Answers	ADM Level	Polygons at ADM	Data Points
1992	37 / 790	3	342	270,180
2002	71 / 875	6	150,930	132,063,750
2017	27 / 54	6	151,545	8,183,430

Global Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Soviet Military City Plans	VTU GSh	Varies	1944 - 2003	3,020

Soviet Military 1:100,000 Scale Topographic Maps	VTU GSh	1:100,000	1947 – 1999	24,897
Soviet Military 1:200,000 Scale Topographic Maps	VTU GSh	1:200,000	1949 – 2009	17,799
Soviet Military 1:500,000 Scale Topographic Maps	VTU GSh	1:500,000	1953 – 1998	3,093

Nautical

Series	Publisher	Scale	Years	Sheets
NGA Nautical Charts POD Certified (All Scales)	NGA	Varies	1943 – 2013	4,517

Aeronautical

Series	Publisher	Scale	Years	Sheets
Joint Operations Graphic (JOG 1501A) 1:250,000 – Aeronautical	DMA	1:250,000	1958 – 2007	4,204
Tactical Pilotage Chart (TPC) 1:500,000 Scale – Aeronautical	DMA	1:500,000	1967 – 2006	598
Operational Navigation Chart (ONC) 1:1,000,000 Scale – Aeronautical	DMA	1:1,000,000	1969 – 2001	243
Jet Navigation Chart (JNC) 1:2,000,000 Scale – Aeronautical	DMA	1:2,000,000	1971 – 1999	117
Global Navigation and Planning Chart (GNC) 1:5,000,000 Scale – Aeronautical	DMA	1:5,000,000	1981 – 1999	27

Geoscientific

Series	Publisher	Scale	Years	Sheets
Soviet Military 1:1,000,000 Scale Topographic Maps	VTU GSh	1:1,000,000	1948 – 1994	1,089

Note: East View Geospatial is continuously sourcing new resources that may not yet be listed in Global Explorer. Please contact us if you have geodata needs beyond what is listed above and we will be happy to discuss available off-the-shelf and custom solutions.

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Historical Country Mapping Information

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Country Profile (PDF)

Topographic

The official topographic mapping organization in Chile is the **Instituto Geográfico Militar (IGMC)**, Santiago, founded in 1922 and responsible for all matters relating to the geography, survey and mapping of the national territory.

Although some large-scale topographic mapping had been undertaken in the early decades of the twentieth century, the first complete topographic cover of the country was at 1:500,000 scale, completed in 1945, and 1:250,000 achieved in 1955. The latter series in 102 sheets, the *Carta preliminar*, was compiled from trimetrogon photography flown in 1944. Since 1976, this series has been progressively replaced by a new *Carta regular* in 75 sheets, and apart from a few sheets in the far south, this is now complete.

The principal topographic map scale, however, is 1:50,000. Sheets are printed in seven colors and each covers 15’ latitude by 15’ longitude. Contours are at 50 m intervals. The projection is UTM, International (Hayford) ellipsoid. This photogrammetric series was started in 1958 and almost all the planned 1,243 sheets in the series are now complete. A parallel program of 1:25,000 scale mapping has also been in progress, covering areas of socio-economic importance, and all the intended 780 sheets in this series are also now available. They cover much of the central part of the country and some of the north. Maps in this series are also on UTM projection and contours are at 25 m and 50 m intervals. Sheets have a 7.5’ format and use the same designation as the 1:50,000 sheets with the addition of a compass point.

There is also a 1:100,000 scale series. This covers only the southern and northern parts of the country. The contours are at 50 m or 100 m intervals, and sheets are in a 30’ format.

The contemporary 1:500,000 scale map, started in 1989, has been replacing an earlier series published between 1970 and 1975. The new series will cover the country in 22 sheets, of which 17 have so far been published.

Soviet military topographic mapping of Chile exists at the following scales: 1:1,000,000 (16 sheets, complete coverage, published 1962-1979); 1:500,000 (42 sheets, complete coverage, published 1965-1991); 1:200,000 (133 sheets, northern two-thirds of country covered, published 1980-1985) and city (1:25,000) topographic mapping of Antofagasta, Concepcion, Santiago and Vina del Mar published between 1977 and 1979. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

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Nautical

An extensive range of nautical charts of Chilean coastal waters and islands is published by the **Servicio Hidrográfico y Oceanográfico de la Armada (SHOA)**. Charts also cover Chilean interests in the Antarctic. Other publications of **SHOA** include an *Atlas oceanográfico de Chile* and an *Atlas hidrográfico de Chile*.

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Geological/Scientific

Geological and magnetic maps are published by the **Servicio Nacional de Geología y Minería (SERNAGEOMIN)**. Geological maps, accompanied by monographs, form a numbered series initiated in 1958. Publication scale ranges from 1:50,000 to 1:500,000, although the principal scale used is 1:250,000. A new series entitled *Documentos de trabajo* (working documents) was initiated in 1991 with the aim of providing users with advanced information on new geological investigations. So far nine numbers have been issued comprising 1:100,000 scale maps accompanied by extended explanatory legends. A series of aeromagnetic maps has been in progress since 1980, at scales of 1:100,000 or 1:250,000. Smaller scale maps include a general geological map at 1:1,000,000 scale covering the country in six sheets (latest edition 1982) and a map of metalliferous deposits published with a monograph *Geología y yacimientos metalíferos de Chile* in 1965.

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Imagery

The **Servicio Aerofotogramétrico (SAF)**, founded in 1963, is responsible for producing aerial photography for the whole country and for the production of aeronautical charts. The latter cover Chile at three different scales: 1:250,000 (64 sheets); 1:500,000 (18 sheets) and 1:1,000,000 (8 sheets). A complete air photo cover of the country is held, most recently from 1993-96. **SAF** undertakes digital restitution of the photography and has started a program to produce digital plans of Chilean cities. Santiago was completed in 1994 using 1:10,000 scale photography and with a plan resolution of 1:5,000.

Since 1979, **IGMC** has produced orthophotos and orthophotomaps at scales of 1:5,000 to 1:20,000 to meet the immediate needs of planning and development. Currently a national digital cartographic information system is being established. The database incorporates urban mapping at 1:1,000 scale, with 1:10,000 mapping for rural areas and 1:50,000 for the whole nation.

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Atlas

IGMC has published a number of atlases, including a national atlas, first issued in 1966, and a revised and enlarged edition in 1983. This includes a 1:1,000,000 scale general coverage of the country and an extensive range of national and regional thematic maps. The latter are organized into the 13 administrative divisions with an index of place names. An atlas of economic and social development was published in 1988. The **IGMC** two-volume gazetteer includes 65,000 toponyms taken from the 1:50,000 and 1:250,000 scale maps. A number of small-scale maps have been published, including thematic maps at 1:6,000,000 scale which form the *Colección Geografía de Chile*.

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Tourist/Reference

Among the small commercial map publishers in Chile are **Informaciones Unidad para America Latina (INUPAL)** whose products include a street map of Santiago, a panoramic city center map and a small road atlas of the whole country. **DICARTEC Ltda**, produced a 1992 map of metropolitan Santiago as well as plans of other metropolitan areas. Some commercial mapping is also sponsored by the **Compañía de Petroleos de Chile (COPEC)**, including a Santiago street map and a road map of the country, *Rutas de Chile*, presented in the form of a small atlas. Tourist and trekking maps of some areas within Chile have been published by **Zagier and Urruty**, Buenos Aires.

Lonely Planet publish a useful travel atlas of Chile and Easter Island with maps mainly at 1:1,000,000 scale.

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Census/Demography/Statistics

The **Instituto Nacional de Estadísticas (INEC)** publishes a range of mapping for statistical purposes including small scale maps of administrative divisions and large scale maps of the 1992 census tract boundaries. There is also a 1:20,000 scale map of Greater Santiago in six sheets and 1:750,000 scale regional maps of population distribution.

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