Country Profile: Peru

Country Profile (PDF)

Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Peru 1:100,000 Scale Topographic Maps (DMA J632)	DMA	1:100,000	1967 – 2008	377
Peru 1:25,000 Scale Topographic Maps	COFOPRI	1:25,000		2,997
Peru 1:50,000 Scale Topographic Maps	IGN	1:50,000	1961 – 1993	25
Peru 1:100,000 Scale Topographic Maps (J361)	IGN	1:100,000	1961 – 2011	500

Nautical

Series	Publisher	Scale	Years	Sheets
Peru Nautical Charts (All Scales)	DHN	Varies	1998 – 2025	131

Geoscientific

Series	Publisher	Scale	Years	Sheets
EVGmap100 Peru Geological Vector Data	EVG	1:100,000	2012	500
Peru 1:100,000 Scale Geological Maps	INGEMMET	1:100,000	1965 – 2000	502

Thematic

Series	Publisher	Scale	Years	Sheets
The World 1:30,000,000 Scale Topographic Map Series 1145 (NGA)	DMA	1:30,000,000		2
Peru Department Maps (Various Scales)	IGN	Varies	1968 – 1992	4
Peru 1:1,000,000 Political Maps	IGN	1:1,000,000	2007	1
Peru Departments Road Maps	MTC	Varies	2017 – 2019	25

Global Census Archive: GIS Census Data

Year	Questions / Answers	ADM Level	Polygons at ADM	Data Points
2007	58 / 781	3	1,834	1,432,354
2017	48 / 1,025	3	1,874	1,920,850

Global Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Soviet Military City Plans	VTU GSh	Varies	1944 – 2003	3,021
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
Soviet Military 1:1,000,000 Scale Topographic Maps	VTU GSh	1:1,000,000	1948 – 1994	1,089

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	6,380
Tactical Pilotage Chart (TPC) 1:500,000 Scale – Aeronautical	DMA	1:500,000	1967 – 2006	618
Operational Navigation Chart (ONC) 1:1,000,000 Scale – Aeronautical	DMA	1:1,000,000	1969 – 2001	248
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

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.

Shop all products in Global Explorer

Historical Country Mapping Information

Jump to: **Topographic | GIS/Vector | Nautical | Geological/Scientific | Imagery | Thematic | Tourist/Reference | Census/Demography/Statistics**

Country Profile (PDF)

Topographic

The topographic mapping authority in Peru is the **Instituto Geográfico Nacional (IGNP)**, Lima, which falls within the authority of the Ministry of Defence. The origins of the institute go back to the first decade of the century, and there have been several changes of name, most recently from **Instituto Geográfico Militar**.

The first national map to be undertaken was the 1:200,000 scale *Carta nacional*. This four-color map was issued from 1922 to 1958, but only about 35 percent of the country (mainly the coastal zone or *costa*) was covered. A 1:100,000 scale map, issued over the same time period, was merely an enlargement of this map.

Soviet military topographic mapping of Peru is available at the following scales: 1:1,000,000 (13 sheets, complete coverage, published 1962-1990); 1:500,000 (37 sheets, complete coverage, published 1976-1984); 1:200,000 (2 sheets, southern tip of country covered, published 1980-1981) and a city (1:25,000) topographic map of Lima published in 1980. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

Back to top

GIS/Vector

A digital mineral site database for Peru, *INCA*, has been assembled by an American company, **Resource Science Inc (RSI)**. This incorporates the 1:1,000,000 scale geological mapping from **INGEMMET**, together with reference data from the Digital Chart of the World, and 9,000 mineral site records.

Back to top

Nautical

The **Dirección de Hidrografía y Navegación de la Marina** publishes medium scale nautical charts of the Peruvian coastal waters and large scale charts of bays and port approaches.

Back to top

Geological/Scientific

Earth science mapping is the responsibility of the **Instituto Geológico Minero y Metalúrgico de Peru (INGEMMET)**, formed in 1979 by the merging of two geological and mining institutes, but its origins go back to 1902. The current priority is the completion of the 1:100,000 scale *Carta geológica nacional*, based on topographic sheet lines, for the whole national territory. Publication of new sheets in the series progressed very slowly for many years, with only about 75 sheets published by 1991. But it was decided from 1993 to accelerate production and by the end of 1995, 178 sheets had been published, covering all the coastal area, and many more were in preparation. Sheets are issued in groups, together with an accompanying monograph. In 1995, digital production of this series commenced. There is also a six-sheet geological map at 1:1,000,000 scale of the whole country, which is also available in digital format.

Mineral deposit maps and 1:250,000 scale geological maps are available for some departments, and small scale tectonic and mineral occurrence maps of the whole country have also been published. A program of natural hazard assessment (*Programa Nacional de Riesgos Naturales*) has resulted in publication of a number of maps and map sets classifying seismic, volcanic and climatic risks in various regions.

Foreign earth science agencies have aided in the mapping of Peru, particularly in the geological mapping of the Andes. 1:500,000 scale geological maps of the Peruvian Cordillera were published by the French **Institut Français de Recherche Scientifique pour le Développement en Coopération (ORSTOM)** in 1978 and by the **British Geological Survey**. More recently, cooperative programs have been undertaken with organizations from Germany, Japan and Canada, and in 1996 a project was initiated with **ORSTOM** and the French **Bureau de Recherches Géologiques et Minières (BRGM)** to map and evaluate the mineral resources of 61 quadrangles in the Eastern Cordillera and 220 in the Llanura Amazónica.

Back to top

Imagery

In 1948, a mapping agreement was signed with the **Inter-American Geodetic Survey (IAGS)** and 1:60,000 scale air photography was obtained for most of the country in the late 1950s and early 1960s from sorties flown by the USAAF and by private companies. This photography was used to compile current map series. Ultimately, in 1958, a new national base map at 1:100,000 scale was initiated. This photogrammetric map was prepared by **IGNP** in collaboration with the **IAGS**. It is printed in five colors with a 50 m contour interval. The projection is UTM, International (Hayford) ellipsoid. Sheets each cover an area of 30 minutes of latitude by 30 minutes of longitude. The series has made rapid progress over the past 10 years and is now almost complete, although some of it is in the form of LANDSAT image maps with no contours. In 1990, GPS was introduced to provide geodetic control of this series and since 1993, WGS 84 datum has been adopted.

A conventional 1:250,000 scale series covers the coastal area, while a complete cover of the country in the form of LANDSAT satellite image maps was prepared by a German company in the mid-1980s. 88 sheets were distributed as part of the now defunct **PAIGH Hemispheric Mapping Program**. These sheets have no heights or contours but they are in color with UTM grid and some toponyms and added linework. A 1:50,000 scale series is also in progress, but covers only 14 percent of the country, while 1:25,000 scale mapping is limited to a few agricultural areas.

Back to top

Thematic

The **Instituto Nacional de Recursos Naturales (INRENA)** was established in 1992 and incorporated the former **National Office for the Evaluation of Natural Resources (ONERN)**. The latter produced ecological, soil and land use maps in the 1960s and 1970s. **INRENA's** current concerns are with the evaluation and management of natural resources for sustainable development, and the organization is working on forest management and anti-desertification programs. There is a collaborative program with the University of Turku, Finland, on using remotely sensed imagery for investigating biological resources in the Amazon region.

The **Servicio Nacional de Meteorología e Hidrología (SENAMHI)** has produced a number of climatic maps of the country, hydrological maps of river basins and an atlas of evaporation.

Small scale maps published by **IGNP** include a new 1:500,000 scale series in progress in 13 sheets. There is also a set of 1:500,000 scale aeronautical charts, for which the final cartography and publication was undertaken in Germany. Road, administrative and general relief maps are published at scales of 1:5,000,000; 1:2,000,000 and 1:1,000,000. A set of 24 colorful departmental maps at various scales and with layered relief were published during the period 1973 to 1986.

IGNP publishes maps of Lima, the capital, at scales of 1:25,000; 1:10,000 and 1:5,000. A prestigious national atlas was published in 1989.

Back to top

Tourist/Reference

Peruvian commercial map publishers of tourist maps and city street maps include **Editorial LIMA 2000, Cartográfica Nacional** and **Libreria Internacional del Perú**.

Back to top

Census/Demography/Statistics

The **Instituto Nacional de Estadística e Informática (INEI)** prepares maps for use in the censuses of population, and issues 1:5,000 scale urban mapping and administrative maps of each department. Cadastral mapping is carried out by the **Oficina General de Catastro** for rural areas, while for the city and province of Lima, computer-assisted cadastral mapping is undertaken by the **Empresa Municipal de Catastro Integral**.

Back to top

Content copyright © 2014 De Gruyter for e-version of World Mapping Today, 2nd Edition