

## Country Profile: Vietnam

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## Country Resources

### Topographic

Series	Publisher	Scale	Years	Sheets
Vietnam 1:50,000 Scale Topographic Maps (VN2000)	MNRE	1:50,000	1981 - 2009	573
Vietnam 1:100,000 Scale Topographic Maps (VN2000)	MNRE	1:100,000	2001 - 2005	171
Vietnam 1:10,000 Scale Topographic Maps (Hanoi)	SDGC	1:10,000	1968 - 1988	41
Vietnam 1:50,000 Scale Topographic Maps (DMA L7014)	DMA	1:50,000	1957 - 1989	503
Vietnam 1:25,000 Scale Vector Data	EVG	1:25,000	2012	983
Vietnam 1:50,000 Scale Vector Data	EVG	1:50,000	2010	617
Laos 1:200,000 Scale Topographic Maps	SGE	1:200,000	1987	51

### Nautical

Series	Publisher	Scale	Years	Sheets
Vietnam Nautical Charts (All Scales)	VPN	Varies	1979 - 2023	199
Vietnam Nautical Charts (All Scales) HSDN	HSDN	Varies	2016 - 2025	93
Vietnam Nautical Charts (All Scales) VMS South	VMS	Varies	2024 - 2025	68

### Geoscientific

Series	Publisher	Scale	Years	Sheets
Vietnam 1:200,000 Scale Geological Maps	GMR	1:200,000	1995 - 2005	56
North Vietnam 1:500,000 Scale Series 1963 Geological Maps	GMR	1:500,000	1963	4
Vietnam 1:500,000 Scale Geological 1988 Series Maps	GMR	1:500,000	1988	26
Tectonic Map of North Vietnam 1:2,000,000 Scale	GMR	1:2,000,000	1963	1
China 1:2,500,000 Scale Geological Map (6 sheets)	GPH	1:2,500,000	2005	1
China 1:2,500,000 Scale Quaternary Geological Map (9 sheets)	GPH	1:2,500,000	1990	1
China 1:4,000,000 Scale Geological Map (2 sheets)	GPH	1:4,000,000	1977	1
China 1:5,000,000 Scale Metallic Resources Map	GPH	1:5,000,000	1992	1
China 1:5,000,000 Scale Mineral Resources Map	GPH	1:5,000,000	1992	1
China 1:5,000,000 Scale Nonmetallic Resources Map	GPH	1:5,000,000	1992	1
Indonesia Horizon Geoconsulting Wireline Logs	HG	Varies	2023	3
Vietnam 1:500,000 Hydrogeological Maps	TCDC	1:500,000	1987	4

### 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

East View Geospatial has an ongoing effort to add GIS census data to our Global Census Archive program. Please contact us for the status and availability of Vietnam census resources.

# 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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## Topographic

Official mapping of Vietnam is carried out by divisions of the **General Directorate of Land Administration (Tong Cuc Dia Chin (TCDC))** in Hanoi. In 1997 the **Cartographic Mapping Institute**, the **Cartographic Publishing House** and the **Department of Land Administration Printing Enterprise** merged to form a single mapping body responsible for the publication of all official mapping of the country and designated as the **Cartographic Publishing House**.

The history of official mapping of Vietnam can be traced back to the foundation of a mapping office in 1899 in Hanoi by the French. Topographic surveying under French colonial authorities included a program of 1:100,000 scale coverage, based upon the Bonne projection, Clarke 1880 ellipsoid, as well as larger scale coverage of some areas. 1:100,000 coverage of most of Indochina was revised in the early 1950s using aerial photography.

For the 20 year period from 1955 to 1975 Vietnam was divided. Mapping of South Vietnam was carried out from the Dalat headquarters of the **National Geographic Directorate**, with aid from the American **Army Map Service**. Re-triangulation and photogrammetric interpretation of aerial photography allowed the production of a new 1:50,000 scale series, using the UTM projection, Everest ellipsoid,

and employing a 15' x 15' sheet format, which was completed in 1967. During the American Vietnam War picto- and orthophoto-mapping at larger scales was carried out for many areas of the country. A 1:250,000 scale series was also completed and revised, with 16 sheets for each 1:1,000,000 IMW quadrangle. Meanwhile North Vietnam was mapped according to Russian specifications by the **National Administration of Geodesy and Cartography**, with maps using the Gauss Conformal transverse cylindrical projection, Krassovsky ellipsoid, and published for the whole of North Vietnam at scales of 1:50,000, 1:100,000, 1:200,000, 1:500,000 and 1:1,000,000.

Sheets have been revised using satellite imagery, with few changes to specifications, American style mapping continues to be published for southern areas of the country. A total of 588 1:50,000 scale maps are needed to cover the whole of the unified Vietnam, 1:100,000 coverage needs 164 sheets and 1:250,000 scale mapping requires 40 sheets.

Soviet military topographic mapping of Vietnam is available at the following scales: 1:1,000,000 (9 sheets, complete coverage, published 1965-1985); 1:500,000 (18 sheets, complete coverage, published 1965-1992); 1:200,000 (89 sheets, complete coverage, published 1965-1983); 1:100,000 (265 sheets, complete coverage, published 1978-1991) and city (1:10,000) topographic mapping of Da Nang, Haiphong, Hanoi, Hue and Saigon (Ho Chi Minh City) published between 1976 and 1982. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

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## Geological/Scientific

Earth science mapping of Vietnam is carried out by the **Geological Survey in Hanoi**, now **Cuc Dia Chat Vietnam (CDCV)**, formerly the **General Department of Mines and Geology (GDMG)**. A 1:200,000 scale map is produced and English language 1:500,000 scale coverage is complete in 23 sheets, including three legend sheets and a sheet index – coverage extends to islands in the South China Sea. Three different versions of these sets are published to show geology, hydrogeology, and mineral resources. Many other smaller-scale themes are also published.

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## Soil

The **Ministry of Agriculture (Bo Nong Nghiep (BNN))** has published soils maps of the country.

**CDCV** compiled 1:500,000 scale Vietnamese-language soil mapping of the North in the 1970s, and has compiled agro-ecological and soil mapping of the Mekong Delta at 1:250,000 scale, published in the 1990s as bilingual maps, with Vietnamese sheet explanations.

in the 1960s and early 70s.

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## Thematic

In addition, new larger scale photogrammetric series have been started, with 1:5,000 scale coverage for agricultural areas, 1:10,000 for plateaus and 1:25,000 for development areas in mountains. Numerous smaller scale maps are also produced by **TCDC**, often in bilingual English and Vietnamese versions. Administrative mapping of the country is published as a set of sheets for the 52 provinces, where scales vary and each province appears at a similar size.

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## Atlas

The first national atlas of the country was published in 1996 and included 1:2,500,000 scale mapping of many themes as well as smaller scale coverage.

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## Tourist/Reference

With the opening of Vietnam to tourism and the global economy has come an increasing diversity of commercially published mapping of the country. General maps are now available from **Berndtson & Berndtson (B&B)**, **International Travel Maps (ITM)** and **Periplus**, and a tourist atlas from **Lonely Planet**. The country is also mapped on coverage of Indo China from **Institut Géographique National (IGN)**, **Nelles Verlag**, and **Cartographia**. **ITM** also recently published the best widely available town mapping of Hanoi and Ho Chi Minh City, in conjunction with the **Cartographic Mapping Institute**.

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