

Country Profile: Bhutan

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Country Resources

Geoscientific

Series	Publisher	Scale	Years	Sheets
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

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 Bhutan 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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Country Profile (PDF)

Topographic

The Himalayan mountain kingdom of Bhutan is poorly mapped and smaller scale coverage from adjacent countries and world series offers the most useful available coverage. Official mapping is carried out by the **Survey Department (SB)** in the Department of Trade and Industries, which has inherited mapping systems from **Survey of India**. A 1:50,000 scale series is in progress, and sheet lines follow the Indian hierarchical sheet division practice. This six-color map is on a polyconic projection, Everest ellipsoid, and shows relief with 40 m contours. It covers the country in 78 sheets, but only the maps around the capital Thimpu have so far been published. **SB** has also recently published small scale administrative and physical maps of the country.

Soviet military topographic mapping of Bhutan exists at the following scales: 1:1,000,000 (4 sheets, complete coverage, published in 1973); 1:500,000 (4 sheets, complete coverage, published 1970-1987); 1:200,000 (13 sheets, complete coverage, published 1977-1989) and 1:100,000 (22 sheets, partial country coverage, published 1985-1986). These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

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GIS/Vector

A project funded through UNDP/UNCHS is establishing an urban GIS for the capital Thimpu and the second largest settlement Phuentsholing. Indian GIS consultants **RMSI** have established vector and raster databases for the cities, at 1:1,000 and 1:5,000 scales and captured from aerial coverage flown in 1997. Multi-layered city mapping has been generated and is held in an ARC/INFO database by the **Urban Development and Housing Division**, Thimpu.

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Geological/Scientific

The earth science mapping agency in Bhutan is **Department of Geology and Mines** the Ministry of Trade, Industry and Power. Small scale earth science mapping of Bhutan is provided in the *Atlas of mineral resources of the ESCAP* region published by the **Economic and Social Commission for Asia and the Pacific** and by the **Schweizerische Naturforschungsgesellschaft**, now **Schweizerische Nationalfonds**.

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Thematic

General mapping of Bhutan includes a 1:600,000 scale German map, from the **Technische Fachhochschule Karlsruhe**, and 1:500 000 scale coverage from the **Swiss Foundation for Alpine Research (SfAR)**.

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