

## Country Profile: Qatar

Country Profile (PDF)

## Country Resources

### Topographic

Series	Publisher	Scale	Years	Sheets
Qatar 1:50,000 Scale Topographic Maps	MPW	1:50,000	1982	2
Qatar 1:1,000 Scale Vector Data	QCGIS	1:1,000		9,300
Qatar 1:10,000 Scale Vector Data	QCGIS	1:10,000		219
Qatar 1:50,000 Scale Topographic Maps (QCGIS)	QCGIS	1:50,000		15
Bahrain 1:50,000 Scale Topographic Maps	SD	1:50,000	1986	2

### Aeronautical

Series	Publisher	Scale	Years	Sheets
Qatar 1:500,000 Scale Aeronautical Charts	QCAA	1:500,000	2016	1

### Geoscientific

Series	Publisher	Scale	Years	Sheets
Oman 1:1,000,000 Scale Geological Maps	DGM	1:1,000,000	1993	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 Qatar 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
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

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## 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	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 (Pushed-to-Shop)	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

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## Historical Country Mapping Information

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Country Profile (PDF)

### Topographic

Mapping of the wealthy Gulf state of Qatar is coordinated through the **Center for Geographic Information Systems (QCGIS)**, established by the **Cabinet of Ministers** in 1990. The map base of the peninsula was created in the period between 1947 and 1984 by **Hunting Surveys** in response to oil exploration needs. Modern photogrammetric surveys were carried out in the 1970s and a new geodetic framework was established, including the Qatar national grid, and mapping standards based upon the use of UTM specifications. Grid-based sheet lines have been used for series at scales from 1:100,000 through to 1:500 urban mapping. Basic scale mapping in the 1980s was carried out by the **Engineering Services Department** which produced maps at 1:5,000, 1:2,000, 1:1,000 or 1:500 scales depending upon the area. 1:5,000 and 1:2,000 scale maps showed relief with 1 m contours; the larger scale plans used spot heights and were uncontoured. Data were revised on a regular basis. Derived printed maps were in four colors with English and Arabic lettering. National coverage at 1:10,000 scale required 281 sheets, with 2 m contours, 1:50,000 scale maps covered Qatar in 15 sheets with contours at 2 m or 4 m intervals, while 1:100,000 scale mapping needed four sheets and showed relief with 4 m contours. A single 1:200,000 scale map of the state was also maintained.

The best available coverage of Qatar is Soviet military topographic mapping, it exists at the following scales: 1:1,000,000 (1 sheet, complete coverage, published in 1983); 1:500,000 (4 sheets, complete coverage, published 1977-1982); 1:200,000 (9 sheets, complete coverage, published in 1975); 1:100,000 (18 sheets, complete coverage, published 1978-1984) and a city (1:10,000) topographic map of Doha published in 1979. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

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### GIS/Vector

From 1988 an ambitious program of digital conversion was started by the **Ministry of Industry and Public Works Survey Unit**, which led to Qatar being the first country in the world with a nation-wide and completely integrated GIS. QCGIS now coordinates all mapping activity carried out by 16 different government agencies and maintains the ARC/ INFO and ORACLE-based national online base map, captured from hard copy maps and 1:5,000 scale aerial photography. Regularly flown aerial coverage is used to maintain the currency of these data. Digital elevation models of the country were captured from 1:30,000 and 1:54,000 scale aerial coverage flown in 1995, with a vertical accuracy of 1 m, and digital ortho-imagery of the country has been captured, with 1 m pixel resolution. The system was fully operational by the end of 1998, and is being updated on a daily basis. An electronic place finder for Doha, with English or Arabic place

names is also derived from the digital data.

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## Nautical

Hydrographic charting of Qatari waters is published on charts from the British **Hydrographic Office (HO)**, Taunton.

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## Geological/Scientific

The **Department of Industrial Development** in the **Ministry of Energy and Industry** is responsible for earth sciences activities in Qatar.

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## Tourist/Reference

Commercially published mapping from **GEO-projects** provides the best overview of Qatar.

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