Country Profile: United Arab Emirates

Country Profile (PDF)

Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
United Arab Emirates 1:50,000 Scale Topographic Maps	MSD	1:50,000		1
United Arab Emirates 1:50,000 Scale Topographic Maps (Metric)	MSD	1:50,000	1991	20
Oman 1:100,000 Scale Topographic Maps (RGS)	RGS	1:100,000	1972	1

Geoscientific

Series	Publisher	Scale	Years	Sheets
Oman 1:1,000,000 Scale Geological Maps	DGM	1:1,000,000	1993	1
Oman 1:250,000 Scale Geological Maps Open University	SOO	1:250,000	1983	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 United Arab Emirates census resources.

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.

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Historical Country Mapping Information

Jump to: **Topographic | Nautical | Geological/Scientific | Atlas | Tourist/Reference**

Country Profile (PDF)

Topographic

The United Arab Emirates is a federation of seven internally self-governing emirates independent since 1971. Topographic mapping was compiled in the 1960s by the British **Directorate of Military Surveys (DMS)** (now **Military Survey**). A 1:50,000 scale map (Series K763) in 155 sheets was completed in 1969, **DMS** also compiled a 62-sheet 1:100 000 scale map and 1:250 000 scale coverage conforming to JOG specifications. Limited 1:50,000 and 1:100,000 scale coverage was published in new series produced with Syrian assistance in the early 1980s. In 1982 an indigenous national mapping program was approved and a military **Survey Department** was set up by the Emirates armed forces to establish a new geodetic network, commission new aerial photographic coverage and produce new bilingual topographic series mapping. New 1:50,000 scale coverage was published as orthophoto mapping between 1989 and 1991, showing relief with 10 m contours and covering the whole country in 138 sheets on the UTM projection, Clarke 1880 modified ellipsoid. Smaller scale series were derived from these data. Civilian official mapping is currently carried out by the **Survey Section** of the **Ministry of Public Works and Housing** and has included 1:5,000 scale coverage of all the developed coastal areas of the country, as well as a 1:25,000 scale series of northern parts of the UAE. The municipalities of Abu Dhabi, Sharjah, and Dubai have all established urban GISs to help them plan development.

Soviet military topographic mapping of the United Arab Emirates is available at the following scales: 1:1,000,000 (4 sheets, complete coverage, published 1979-1982); 1:500,000 (5 sheets, complete coverage, published 1977-1982); 1:200,000 (26 sheets, complete coverage, published 1975-1981); 1:100,000 (58 sheets, primarily complete coverage, published in 1978) and city (1:10,000) topographic mapping of Abu-Dhabi and Dubai 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

Hydrographic charting of Emirates waters is carried out by the British **Hydrographic Office (HO)**.

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Geological/Scientific

The **Ministry of Petroleum and Mineral Resources** compiled a variety of earth science mapping in the late 1970s. This included monochrome 15-sheet 1:100,000 scale coverage, and full color maps at 1:250,000 scale in four sheets, 1:500,000 and 1:1,000,000 scales.

More recent thematic coverage of Dubai has been derived from satellite imagery by the United Kingdom **National Remote Sensing**

Centre Ltd (NRSC). A total of 31 1:25,000 scale image maps of the Emirates were produced in digital, photographic and lithographic media. Seven thematic database layers were compiled from these data and field sampling: geology, geomorphology, soil, hydrology, land use, erosion and vegetation data are held in an ARC/INFO GIS forming the basis for environmental planning in Dubai.

The **Abu Dhabi National Oil Company** celebrated 20 years of production with the publication in 1991 of the *Energy map of the United Arab Emirates*, published in association with **Petroleum Economist (PE)**, London.

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Atlas

The *National atlas of the United Arab Emirates* was published in 1993 by **GEOprojects**, in association with the **University of the United Arab Emirates** and numerous government agencies. This includes over 150 topographic and thematic map plates, mostly at 1:1,500,000 scale, as well as more detailed case study areas mapped for many topics and an index to geographic names.

Cadastral mapping of Jordan is the responsibility of the **Department of Lands and Survey**. It is involved in a major conversion project to establish an ARC/INFO-based digital land information system, which has included the capture of 23 000 cadastral maps in the period 1995-2000.

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Tourist/Reference

Frontline, Sharjah publishes simple tourist mapping of Emirates cities.

GEOprojects also publishes a number of maps of the UAE in its *Arab World map series*. A general map of the Emirates is regularly revised and includes numerous city maps and tourist information. In addition larger scale mapping is published for the most significant urban areas in the Emirates covering Al Ain, Abu Dhabi, Dubai and Sharjah.

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