

Country Profile: Tanzania

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Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Tanzania 1:50,000 Scale Topographic Maps (DMA Y745)	Defence Mapping Agency	1:50,000	1994 - 1994	11
Malawi 1:250,000 Scale Topographic Maps (Metric)	Department of Surveys	1:250,000	1994 - 1996	10
Zanzibar 1:10,000 Scale Topographic Maps (DOS 208)	Directorate of Overseas Surveys	1:10,000	1982 - 1986	58
Tanzania 1:50,000 Scale Topographic Maps Y742 Series	Surveys and Mapping Division	1:50,000	1954 - 1994	1247
Tanzania 1:250,000 Scale Topographic Maps	Surveys and Mapping Division	1:250,000	1960 - 2000	64

Nautical

Series	Publisher	Scale	Years	Sheets
Bathymetric Charts of Zambia	Survey Department (Zambia)	Varies	1974 - 1974	3

Geoscientific

Series	Publisher	Scale	Years	Sheets
Tanzania 1:2,000,000 Scale Geological Map	Bureau de Recherches Geologiques et Minières	1:2,000,000	2004 - 2004	1
Uganda 1:500,000 Scale Geological Maps	Department of Geological Survey and Mines	1:500,000	2009 - 2009	2
Uganda 1:250,000 Scale Bouguer Gravity Geological Maps	Department of Lands and Surveys, Uganda	1:250,000	1961 - 1961	10
Malawi 1:1,000,000 Scale Geological Map	Geological Survey Department (Malawi)	1:1,000,000	1966 - 1966	1
Malawi 1:1,000,000 Scale Mineral Resources Map	Geological Survey Department (Malawi)	1:1,000,000	1990 - 1990	1
Tanzania 1:100,000 and 1:125,000 Scale Geological Maps	Geological Survey of Tanzania	Varies	1953 - 2014	307
Tanzania 1:100,000 Scale Geological Maps	Geological Survey of Tanzania	1:100,000	1967 - 2014	279
Tanzania 1:125,000 Scale Geological Maps	Geological Survey of Tanzania	1:125,000	1953 - 1999	158
Tanzania 1:250,000 Scale Geological Maps	Geological Survey of Tanzania	1:250,000	1999 - 2000	4
Malawi 1:1,000,000 Scale Aeromagnetic Map	Hunting Geology and Geophysics LTD.	1:1,000,000	1986 - 1986	1
Rwanda 1:100,000 Scale Geological Maps	Institut Geographique Militaire / Militair Geographisch Instituut (Belgium)	1:100,000	1964 - 1979	6

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

Year	Questions / Answers	ADM Level	Polygons at ADM	Data Points
2012	62 / 3,327	5	108,465	360,863,055

Global Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Soviet Military City Plans	Voенно-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	Varies	1944 - 2003	3017

Soviet Military 1:100,000 Scale Topographic Maps	Voenno-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:100,000	1947 - 1999	24897
Soviet Military 1:200,000 Scale Topographic Maps	Voenno-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:200,000	1949 - 2009	17799
Soviet Military 1:500,000 Scale Topographic Maps	Voenno-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:500,000	1953 - 1998	3093

Nautical

Series	Publisher	Scale	Years	Sheets
NGA Nautical Charts POD Certified (All Scales)	National Geospatial-Intelligence Agency	Varies	1943 - 2013	4517

Aeronautical

Series	Publisher	Scale	Years	Sheets
Joint Operations Graphic (JOG) 1:250,000 - Aeronautical	Defence Mapping Agency	1:250,000	1958 - 2007	4204
Tactical Pilotage Chart (TPC) 1:500,000 Scale - Aeronautical	Defence Mapping Agency	1:500,000	1967 - 2006	598
Operational Navigation Chart (ONC) 1:1,000,000 Scale - Aeronautical	Defence Mapping Agency	1:1,000,000	1969 - 2001	243
Jet Navigation Chart (JNC) 1:2,000,000 Scale - Aeronautical	Defence Mapping Agency	1:2,000,000	1971 - 1999	117
Global Navigation and Planning Chart (GNC) 1:5,000,000 Scale - Aeronautical	Defence Mapping Agency	1:5,000,000	1981 - 1999	27

Geoscientific

Series	Publisher	Scale	Years	Sheets
Soviet Military 1:1,000,000 Scale Topographic Maps	Voenno-topograficheskoe upravlenie General'nogo shtaba (Soviet Union)	1:1,000,000	1948 - 1994	1089

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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Topographic

The first accurate mapping of the mainland of Tanzania and offshore islands Pemba and Zanzibar was carried out when the state was administered as a trust territory by Great Britain. The **Directorate of Colonial Surveys** (later **Directorate of Overseas Surveys (DOS)** and now **Ordnance Survey International (OSI)**) started a photogrammetric 1:50,000 scale series in 1947, which like other British African mapping was based upon the Transverse Mercator projection, Clarke 1880 ellipsoid, and quarter-degree quadrangles. Early editions were planimetric. **DOS** established full-color topographic mapping on the same sheet lines, with 50 ft contours. The national mapping agency in Tanzania, the **Surveys and Mapping Division (SMD)** founded after independence in 1964, has continued to maintain and revise this series as the basic scale for most of the country. The current specification shows relief with a 20 m contour interval and is available for the whole country in 1,250 sheets. **SMD** has received technical aid from Japan, Poland, France, Britain, Italy and Canada to enable completion and updating of this map, which is used to derive smaller-scales.

A 1:250,000 scale map covers the country in 49 sheets, conforming to **DOS** East African specifications in Series Y503. Since 1970 these have been compiled from 1:50,000 scale data to show relief with metric layer tinting, but earlier editions used imperial contours. Smaller-scale maps include six sheets of the *International map of the World*, dating from the 1960s. A single map on these sheet lines was produced by **DOS** in the mid-1980s as an experimental LANDSAT-based image map. 1:2,000,000 scale coverage from **SMD** is regularly revised and a series of district maps is also published, with the scale varying according to the size of the administrative unit. About 60

settlements in Tanzania are mapped at 1:2,500 scale, and 1:5,000 scale coverage is derived from this source for some areas. A full-color 1:20,000 scale map of Dar-es-Salaam was published with Norwegian aid in 1995. This is derived from 1992 aerial photographs, also includes 1:10,000 scale mapping of the city centre, and shows relief with 10 m contours.

The island of Zanzibar has its own survey authority, the **Department of Surveys and Urban Planning** in the Ministry of Water Construction Energy Lands and Environment, and Zanzibar and Pemba are mapped in greater detail than most of the mainland. A seven-color 1:10,000 scale series was compiled by **DOS** to cover Zanzibar in 58 sheets and issued between 1982 and 1986. This is on the UTM projection and shows relief with 5 m contours. Pemba was covered to similar specifications in 44 sheets from 1985 to 1987. 1:50,000 scale maps were derived from this source material. **DOS** urban mapping of towns on the islands was also revised in the 1980s.

Soviet military topographic mapping of Tanzania is available at the following scales: 1:1,000,000 (7 sheets, complete coverage, published 1958-1977); 1:500,000 (22 sheets, complete coverage, published 1962-1985); 1:200,000 (46 sheets, primarily southern country coverage, published 1983-1984) and a city (1:10,000) topographic map of Dar es Salaam published in 1980. These products are available in print, digital raster and digital vector formats from **East View Geospatial**.

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Nautical

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

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Geological/Scientific

Earth science maps of Tanzania have been produced by the **Ministry of Energy and Minerals (MEM)**. A 1:125,000 scale series on quarter-degree sheet lines is available for about half the country, with full colour depiction of litho-stratigraphy. Some of the maps in this series were compiled with German aid. A 1:500,000 scale coverage of the Lake Victoria goldfields was compiled in 1990. Other smaller-scale mapping includes maps produced to accompany a five-volume summary of the geology of the country, including 1:2,000,000 scale mineral and structural maps, as well as larger scale more local coverage.

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Soil

A limited amount of resources mapping of Tanzania has been published, notably by the British **Natural Resources Institute (NRI)** and its predecessors, and the Dutch **ITC**. A soil atlas of the country was compiled in the early 1980s giving very small-scale thematic coverage.

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Tourist/Reference

Small-scale tourist maps of Tanzania are published by **Freytag-Berndt**, **Macmillan**, **Nelles Verlag** and **New Holland**. Double-sided maps of national parks in Tanzania are compiled by **Giovano Tombazzi**, and **OSI**, **ITM** and **West Col** produce larger scale special sheets to cover Mount Kilimanjaro. An image map of the mountain has been compiled by **Nigel Press** and published with **Stanfords**, London.

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Census/Demography/Statistics

The **Central Bureau of Statistics** in Dar es Salaam assists **SMD** to map the results of censuses, as well as carrying out pre-census mapping showing census divisions in districts and regions.

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