Country Profile: Zambia

Country Profile (PDF)

Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Malawi 1:250,000 Scale Topographic Maps (Metric)	MW-DOS	1:250,000	1994 – 1996	10
Malawi 1:250,000 Scale Topographic Maps (SD)	MW-DOS	1:250,000	1976	10
Malawi 1:50,000 Scale Topographic Maps (Z742 / DOS 425)	DOS	1:50,000	1964 – 1971	12
Democratic Republic of the Congo 1:200,000 Scale Topographic Maps (IGM)	IGM	1:200,000	1926 – 1960	35
Zambia 1:50,000 Scale Topographic Maps	SD	1:50,000	1960 – 1997	817
Zambia 1:100,000 Scale Topographic Maps	SD	1:100,000	1980 – 1990	64
Zambia 1:250,000 Scale Topographic Maps	SD	1:250,000	1960 – 1997	59

Nautical

Series	Publisher	Scale	Years	Sheets
Bathymetric Charts of Zambia	SD	Varies	1974	3

Geoscientific

Series	Publisher	Scale	Years	Sheets
Tanzania 1:2,000,000 Scale Geological Map	BRGM	1:2,000,000	2004	1
Zambia 1:250,000 Scale Geological Maps	DOS	1:250,000	1984 – 1985	5
Botswana 1:1,000,000 Scale Geological Maps	GSD	1:1,000,000	1984 – 1990	4
Botswana 1:2,000,000 Scale Geological Maps	GSD	1:2,000,000	1963	1
Malawi 1:250,000 Scale Geological Maps	GSD	1:250,000	1972 – 1992	10
Malawi 1:1,000,000 Scale Geological Map	GSD	1:1,000,000	1966	1
Malawi 1:1,000,000 Scale Mineral Resources Map	GSD	1:1,000,000	1990	1
Zambia 1:100,000 Scale Geological Map Explanatory Notes	GSZ	1:100,000	1960 – 2016	102
Zambia 1:100,000 Scale Geological Maps	GSZ	1:100,000	1957 – 2015	156
Zambia 1:1,000,000 Scale Geological Map	GSZ	1:1,000,000	1981	4
Malawi 1:1,000,000 Scale Aeromagnetic Map	HGG	1:1,000,000	1986	1
Angola 1:1,000,000 Scale Geological Map (6 Sheets)	INGA	1:1,000,000	1988	1
Angola 1:1,000,000 Scale Mineral Resources Maps (4 sheets)	INGA	1:1,000,000	1998	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
Zambia Political Administration Maps	SD	1:750,000	1990 – 1991	4

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 Zambia census resources.

Global Geography Library

Collection Name	Item Count	Published	Index Map / Title List
Zambia Geological 100K (includes 98 explanatory notes)	254	1960s-2016	index map / title list

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

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Country Profile (PDF)

Topographic

The Zambian national mapping agency the **Survey Department** (**ZS**) is responsible for national topographic mapping and for cadastral survey. It also publishes small scale thematic coverage of the country and compiles large scale township maps and street plans. All maps are on a Transverse Mercator projection, Clarke 1880 ellipsoid.

The basic scale map for the country is the 1:50,000 scale ZS 51 series. This map was started after World War II by the British **Directorate of Colonial Surveys** (later **Directorate of Overseas Survey** (**DOS**) and now **Ordnance Survey International** (**OSI**)). Early sheets had 25 ft or 50 ft contour intervals or in some areas were issued as preliminary plots with no relief data. **DOS** continued to provide aid for the production of new maps in this series throughout the 1970s and some current sheets still carry the series designation DOS 424 (Z741). Since 1970 five-color metric editions have been published by **ZS** with 20 m contours and the UTM grid. Details are revised from the latest available aerial photography, which has often been provided in overseas aid projects, for example delivered through the Japanese agency **JICA**, or the Swedish **Swedesurvey**. Specification changes include a move to process colors in the early

1980s. This series covers most of the country, with the exception of sparsely populated areas of South Western province. A 1:100,000 scale program designated ZS 41 is in progress, initiated in 1980 and nearing completion. A 1:250,000 scale map ZS 31 covers the country in 53 sheets. The current specification is for 50 m contours and a UTM grid, and most sheets cover one and a half degrees longitude by one degree latitude.

Other smaller scale national mapping includes 1:750,000 scale relief or land use coverage in four sheets, as well as sheets conforming to ICAO specifications in a 1:1,000,000 scale aeronautical series, which is also available in a topographic edition without the aeronautical overprint. At 1:1,500,000 scale **ZS** publishes a single sheet map, which is used as a base for 10 different thematic maps. Most date from the 1980s; the double-sided tourist map was issued in a new edition in 1994.

Soviet military topographic mapping of Zambia is available at the following scales: 1:1,000,000 (8 sheets, complete coverage, published 1977-1985); 1:500,000 (22 sheets, complete coverage, published 1978-1985); 1:200,000 (134 sheets, complete coverage, published 1979-1984) and city (1:10,000 to 1:25,000) topographic maps of Lusaka and Ndola published in 1979. These products are available in print, digital raster and digital vector from **East View Geospatial**.

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Geological/Scientific

Geological mapping of Zambia is the responsibility of the **Geological Survey Department** (**ZGS**). 1:100 000 scale quarter-degree mapping was initiated in 1960, each sheet covers the area of four 1:50 000 scale topographic maps, and over 30 sheets were published by the mid-1970s. These are still available as separate sheets or with accompanying reports, but almost no new mapping has been carried out. Coverage is best around the Copperbelt and Lusaka. A projected national full-colour 1:250 000 scale geological map was started with British aid and issued for five quadrangles in 1986. No further progress has been made in this map. Smaller scale earth science mapping from **ZGS** includes 1:500 000 scale coverage of mining licence areas and 1:1 000 000 scale full-colour geological mapping of the country.

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Soil

Soils mapping of Zambia started with the establishment of the **Soil Survey Unit** of the Department of Agriculture in 1969. Its output includes local mapping published with accompanying Soil Survey reports, but has also included explanatory mapping at a district level. Regional coverage includes 1:500,000 scale mapping of the northwest region, derived from LANDSAT imagery and compiled in 1984 with aid from the **Regional Centre for Remote Sensing** in Nairobi. A program of quarter-degree 1:100,000 scale mapping was also started and a full-color national 1:3,000,000 scale soil map was prepared for the national atlas. Other thematic mapping from **ZS** includes a 1:500,000 scale vegetation map compiled with German support to give nine-sheet coverage of the country in conjunction with the **Zambian Forest Department**. Seventeen different vegetation types are described. The national atlas is also produced by **ZS**, and originally consisted of 1:2,500,000 scale thematic coverage. Since the mid-1980s new mapping is being released at 1:3,000,000 scale and is gradually replacing older editions.

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Cadaster

Larger scale programs cover townships and other areas of the country. A national urban program at 1:5,000 scale provides contoured coverage and maps are also published at 1:1,000; 1:2,500 or 1:6,000 scales. All of the major settled areas are covered. In addition an indexed series of four-color town maps at scales between 1:10,000 and 1:20,000 is available for the main cities. Tourist mapping includes coverage of six national parks, the scales varying according to the size of the park, published in association with the **Zambia National Tourist Board**.

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Tourist/Reference

General small scale maps of Zambia were recently published by **Macmillan** and by **International Travel Maps** (**ITM**), Vancouver, whilst **Directory Publishers of Zambia** recently issued a street map of Lusaka.

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Census/Demography/Statistics

The **Locational and Spatial Research Program** in the **National Council for Scientific Research** (**NCSR**) collaborates with **ZS** in the production of demographic, social and economic mapping conforming with the style of the national atlas. **NCSR** has been involved in mapping projects associated with disease distribution, and urban land use in Lusaka. 1:20,000 scale land use mapping has been compiled for major cities and derived from orthophoto coverage. Demographic mapping has also been carried out to map the results of population censuses. The *Atlas of the population of Zambia* has been updated using data from the 1980 census, but only a limited update of the earlier atlas has so far been published. The Central Statistical Office maintains demographic data and carries out pre-census mapping of Zambia at enumeration district level.

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