

Country Profile: Senegal

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Country Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Senegal 1:50,000 Scale Topographic Maps	Direction des Travaux géographiques et cartographiques	1:50,000	1955 - 1971	142
Senegal 1:200,000 Scale Topographic Maps	Direction des Travaux géographiques et cartographiques	1:200,000	2005 - 2008	27
Mali 1:500,000 Scale Topographic Maps (IGN)	Institut Géographique National	1:500,000	1960 - 1969	9
Gambia 1:25,000 Scale Kombo Peninsula Topographic Maps	The Republic of The Gambia	1:25,000	1978 - 1978	8
Gambia 1:50,000 Scale Image Maps	The Republic of The Gambia	1:50,000	1975 - 1981	20

Geoscientific

Series	Publisher	Scale	Years	Sheets
Senegal 1:500,000 Scale Geological Maps	Bureau de Recherches Géologiques et Minières	1:500,000	1966 - 1966	4
Mali 1:1,500,000 Scale Geological Maps	Bureau de Recherches Géologiques et Minières	1:1,500,000	1980 - 1980	2
Senegal 1:200,000 Scale Geological Maps	Direction des Mines et de la Géologie (Senegal)	1:200,000	1963 - 1967	12
Guinea-Bissau 1:500,000 Scale Geological Map	Junta de Investigacoes do Ultramar	1:500,000	1968 - 1968	1
The Gambia 1:250,000 Scale Geological Maps	Ministry of Economic Planning and Industrial Development. Geological Unit	1:250,000	1988 - 1988	1
Guinea-Bissau 1:100,000 Scale Geological Maps	République de Guinée-Bissau: Ministère des Ressources Naturelles, De la Géologie et des Mines	1:100,000	1982 - 1982	2
Guinea 1:500,000 Scale Geological Maps	République de Guinée: Ministère des Mines, De la Géologie de L'Environnement	1:500,000	2004 - 2004	2

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 Senegal census resources.

Global Resources

Topographic

Series	Publisher	Scale	Years	Sheets
Soviet Military City Plans	Voenno-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
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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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Historical Country Mapping Information

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Topographic

The **Service Géographique National** was formed in 1972, and in 1989 it was reorganized under the Ministère de l'Équipement, des Transports et de la Mer to become the **Direction des Travaux Géographiques et Cartographiques (DTGC)**, Dakar. Further restructuring in 1990 created two divisions, one for land and aerial survey and the other for cartography. Its current program includes the completion of the 1:50,000 scale topographic map and large scale mapping of regional capitals and development areas.

The first topographic surveys were carried out by the French **Institut Géographique National (IGN)** and its predecessors, producing maps in the three *Carte de l'Afrique de l'Ouest* series, through its agency in Dakar. Maps were compiled at 1:50,000; 1:200,000 and 1:500,000 scales from aerial photography flown in the 1950s. The 1:200,000 scale series was completed by the French in the early 1970s, and revisions of some sheets were published through the 1970s and into the early 1980s. Although some sheets have subsequently been reprinted, there are no plans further to update this series. Early sheets are titled as part of the *Carte de l'Afrique de l'Ouest* series, while the more recent sheets, published jointly with **DTGC**, are labelled *République du Sénégal*. These maps are in the standard French overseas mapping style, published normally in four colors with 40 m contours, and on UTM projection, Clarke 1880 ellipsoid.

Soviet military topographic mapping of Senegal is available at the following scales: 1:1,000,000 (3 sheets, complete coverage, published in 1986); 1:500,000 (8 sheets, complete coverage, published 1984-1985); 1:200,000 (41 sheets, complete coverage, published 1982-1985) and a city (1:10,000) topographic map of Dakar published in 1975. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

The basic scale mapping is the 1:50,000 scale series, but this was not completed by the French. In 1989-92, Japan funded the mapping

and publication of 43 new 1:50,000 scale sheets in the eastern part of the country, but further progress with the series awaits new funding. This series is also in four colors and on UTM projection, but with contours at 20 m intervals. There are also plans to re-map the area of greater Dakar, but this too depends on the availability of further overseas aid.

A series of maps of individual departments (6) and regions (7) has been created from the 1:200,000 or 1:500,000 scale topographic maps, and these were all brought up to date in 1993.

Small scale mapping includes a four-sheet 1:500,000 scale map, edited into a tourist format in 1966, and a folded 1:1,000,000 road and tourist map revised in 1993 in the French **IGN Pays et villes du Monde series**.

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Geological/Scientific

Earth science mapping is the responsibility of the **Direction des Mines et de la Géologie (DMGS)**, Dakar, established in 1960. The principal, 1:200,000 series of maps was produced in the 1960s with the aid of the French **Bureau de Recherches Géologiques et Minières (BRGM)**, and about half the country is covered by the 14 published sheets. Geological, mineral and geotectonic maps of the whole country at 1:500,000 scale were also published. A three-volume mineral plan was published with **BRGM** in 1985, and six 1:20,000 scale geological maps of Cap Vert were issued in 1976.

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Soil

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Vegetation/Forestry

The **Centre de Suivi Écologique (CSE)** was established in 1986 with Danish funding. Its task is to investigate ecological problems and to undertake monitoring of crops and vegetation change using LANDSAT and other imagery. A recent poster published by **CSE**, *ha République du Senegal: profil environnemental*, has a 1:1,000,000 satellite image map of the country together with small scale inset maps and photos illustrating landscape types, vegetation cover, seasonal vegetation growth, land degradation and conservation methods.

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Thematic

The **Direction de l'Aménagement du Territoire (DAT)** prepared 1:500,000 scale maps of hydrogeology, morphopedology and land capability under a USAID program in 1985. Recently, **DAT** has also acquired a GIS facility and plans to develop a national thematic database.

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Atlas

The sumptuous *Atlas national du Sénégal*, with text in French, was published in 1977. It includes numerous thematic maps at the principal scale of 1:1,500,000. A smaller thematic atlas, with good cartographic illustrations, was published by **Editions du Jaguar** in *Les atlas jeune Afrique* series.

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Cadaster

The **Direction de l'Urbanisme**, Dakar, is concerned with city planning and has numerous city and town planning maps in ozalid form. A GIS has been installed with French funding, and a vector digital database of large scale plans (1:1,000 or 1:2,000 resolution) of several cities is being created. Cadastral maps of Dakar and of the whole of Cap Vert were prepared by the **Service du Cadastre** in 1981.

Recently, the **Société Nouvelle des Études de Développement en Afrique (SONED)**, a private consulting engineering company based in Dakar, has created a 1:10,000 scale UTM-grid based plan of Dakar.

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Tourist/Reference

A 1:10,000 scale street map of Dakar was published by the **IGN** in 1983. Another recent tourist map of the country is published by **International Travel Maps (ITM)**, Vancouver, Canada.

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