

## Country Profile: Kazakhstan

Country Profile (PDF)

## Country Resources

### Topographic

Series	Publisher	Scale	Years	Sheets
Kazakhstan 1:200,000 Scale Topographic Vector Data	GEOCENTER	1:200,000	2005	586
Kyrgyzstan 1:200,000 Scale Non-Quadrangle Topographic Maps	GKGS	1:200,000	1992 - 1999	13
Kyrgyzstan 1:100,000 Scale Topographic Maps	KGR	1:100,000	2005	19
VMAPO 1:1,000,000 Scale Vector Data	NIMA	1:1,000,000	1992	4
Kyrgyzstan 1:200,000 Scale Topographic Maps (English)	National	1:200,000	2002	4
Kazakhstan 1:500,000 Scale Topographic Maps	NKGF	1:500,000	1966 - 2003	82

### Geoscientific

Series	Publisher	Scale	Years	Sheets
China 1:2,500,000 Scale Geological Map (6 sheets)	GPH	1:2,500,000	2005	1
China 1:2,500,000 Scale Quaternary Geological Map (9 sheets)	GPH	1:2,500,000	1990	1
China 1:4,000,000 Scale Geological Map (2 sheets)	GPH	1:4,000,000	1977	1
China 1:5,000,000 Scale Metallic Resources Map	GPH	1:5,000,000	1992	1
China 1:5,000,000 Scale Mineral Resources Map	GPH	1:5,000,000	1992	1
China 1:5,000,000 Scale Nonmetallic Resources Map	GPH	1:5,000,000	1992	1
Map of Anomalous Magnetic Field of Kazakhstan 1:1,000,000	KGS	1:1,000,000		3
Kazakhstan 1:500,000 Scale Geological Map	MGK	1:500,000	1979 - 1981	29
Kyrgyzstan 1:500,000 Scale Geological Map - Metallogenic	GUGK	1:500,000	1988	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Engineering	GUGK	1:500,000	1989	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Formations	GUGK	1:500,000	1988	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Geomorphology	GUGK	1:500,000	1989	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Oil and Gas	GUGK	1:500,000	1986	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Recent Tectonic	GUGK	1:500,000	1988	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Seismotectonic	GUGK	1:500,000	1988	10
Kyrgyzstan 1:500,000 Scale Geological Maps - Tectonic	GUGK	1:500,000	1989	10

### 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 Kazakhstan 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

## 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	4,204
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	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

## Geoscientific

Series	Publisher	Scale	Years	Sheets
Soviet Military 1:1,000,000 Scale Topographic Maps	VTU GSh	1:1,000,000	1948 – 1994	1,089

**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 Central Asian Republic of Kazakhstan is the largest nation to break away from the former Soviet Union and has been an independent state since 1991. Mapping still follows patterns established in the Soviet era. Topographic series use the 1942 specification with maps based on the Gauss conformal transverse cylindrical projection, Krassovsky ellipsoid.

Soviet military topographic mapping of Kazakhstan is available at the following scales: 1:1,000,000 (26 sheets, complete coverage, published 1965-1990); 1:500,000 (82 sheets, complete coverage, published 1965-1998); 1:200,000 (591 sheets, complete coverage, published 1960-1993); 1:100,000 (1,983 sheets, complete coverage, published 1954-1992); 1:50,000 (7,474 sheets, primarily complete coverage, published 1961-1997) and city (1:10,000 to 1:25,000) topographic mapping of 41 major cities from Aktyubinski to Zyryanovsk published between 1967 and 1991. These products are available in print, digital raster and digital vector GIS formats from **East View Geospatial**.

Following independence a national mapping agency, the **Main Administration of Geodesy and Cartography of the Cabinet of Ministers of the Republic of Kazakhstan (Kazgeodezija)** was founded in Almaty. Following the pattern of some other former Soviet republics, **Kartografija** was established in Almaty. Its recent publications include single-sheet maps using a political base, published with transliteration, as well as updated versions of Soviet administrative series, issued as double-sided 1:200,000 scale maps for areas around the administrative center of each region and with an environmental map of the regional center on the reverse side. A Russian town map of the capital was published in the 1980s by **Glavnoe Upravlenie Geodezii Kartografii (GUGK)**, now **Federal' naya Sluzhba Geodezii i Kartografii Rossii (Roskartografija)** and recently revised by **Kazgeodezija**. Other recent initiatives include digital mapping in support

of land registration, carried out by the **State Land Committee**, with funding from the World Bank, which started in 1997 with pilot projects in Almaty, Akmola and Almaty City.

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## Geological/Scientific

Earth science mapping of Kazakhstan was produced by Russian agencies in the Soviet era, notably **Vserossiiskoi nauchno-issledovatel'skii geologicheskii Institut (VSEGEI)** in St. Petersburg, in conjunction with local branches of the **Academy of Sciences**. Geological and tectonic maps were compiled at 1:1,500,000 scale to cover Kazakhstan and Central Asia in two sets of eight sheets. Kazakhstan was also mapped in Soviet 1:200,000 and 1:1,000,000 scale programs. Recent mapping has been encouraged by the minerals exploration boom following independence. In 1996 a significant minerals atlas was published by the **Ministry of Geology** and the **Institute of Geological Sciences** of the **Kazakhstan Academy of Sciences (Kazgeologija)**, with mapping at 1:4,000,000 scale, generalized from 1:1,500,000 scale data, and information in Russian and English for 1,000 mineral deposits.

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## Soil

Soil mapping continues to be compiled by the **Soils Institute**, with an increasing amount of applied mapping of erosion and pollution risks.

Groundwater mapping has been carried out by the **Hydrogeology and Hydrophysics Institute**, including a 1:1,500,000 scale geothermal and resources map in six sheets. The **Hydrometeorological Institute (KazNIGMI)** acts as the main meteorological organization in the country and is a specialist avalanche and mudslide research agency, with many published in these fields.

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## Vegetation/Forestry

The **Ministry of Ecology and Bioresources** coordinates all ecological and bio-resources research in Kazakhstan, and is collaborating with the **Institute of Geography** in the **Academy of Sciences** in the compilation of a medico-environmental atlas of the country. Vegetation mapping of Kazakhstan is carried out by the **Botanical Institute**, including a 1:2,500,000 scale coverage derived in 1991 from satellite imagery, in association with the **Institute for Space Research**.

The **Kazakhstan State Institute for Drafting Land Management (KAZGIPROZEM)** surveys and manages land resources in the country, including the compilation of a large number of land use and agricultural maps of the country.

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## Thematic

The **Soviet Academy of Sciences** (now **Rossiskaja Akademija Nauk (RAN)**) was involved in the production of many thematic maps of Kazakhstan, including a two-volume atlas prepared in the early 1980s in association with **GUGK**. Following independence, branches of the **Kazakhstan Academy of Sciences** in Almaty have assumed these responsibilities. A greater diversity of themes has been mapped than for most of the Central Asian Republics.

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## Tourist/Reference

A variety of commercial map publishers have issued tourist maps of the city, provincial and country level from Kazakhstan.

In Kazakhstan publishers include **SCE “Cartography”** whose offerings include an English-language map of the new country capital, Astana.

Western publishers of country maps of Kazakhstan include **Gizi Map** and **Reise-Know-How**.

**(ITM)**, Vancouver, Canada.

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