

M 6.1, EASTERN KAZAKHSTAN

Origin Time: Mon 2013-01-28 16:38:53 UTC (22:38:53 local)

Location: 42.60°N 79.71°E Depth: 15 km

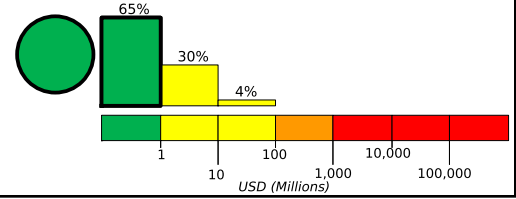
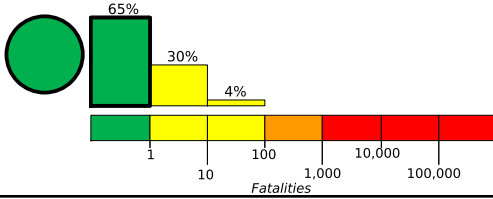
PAGER
Version 8

Created: 2 weeks, 1 day after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

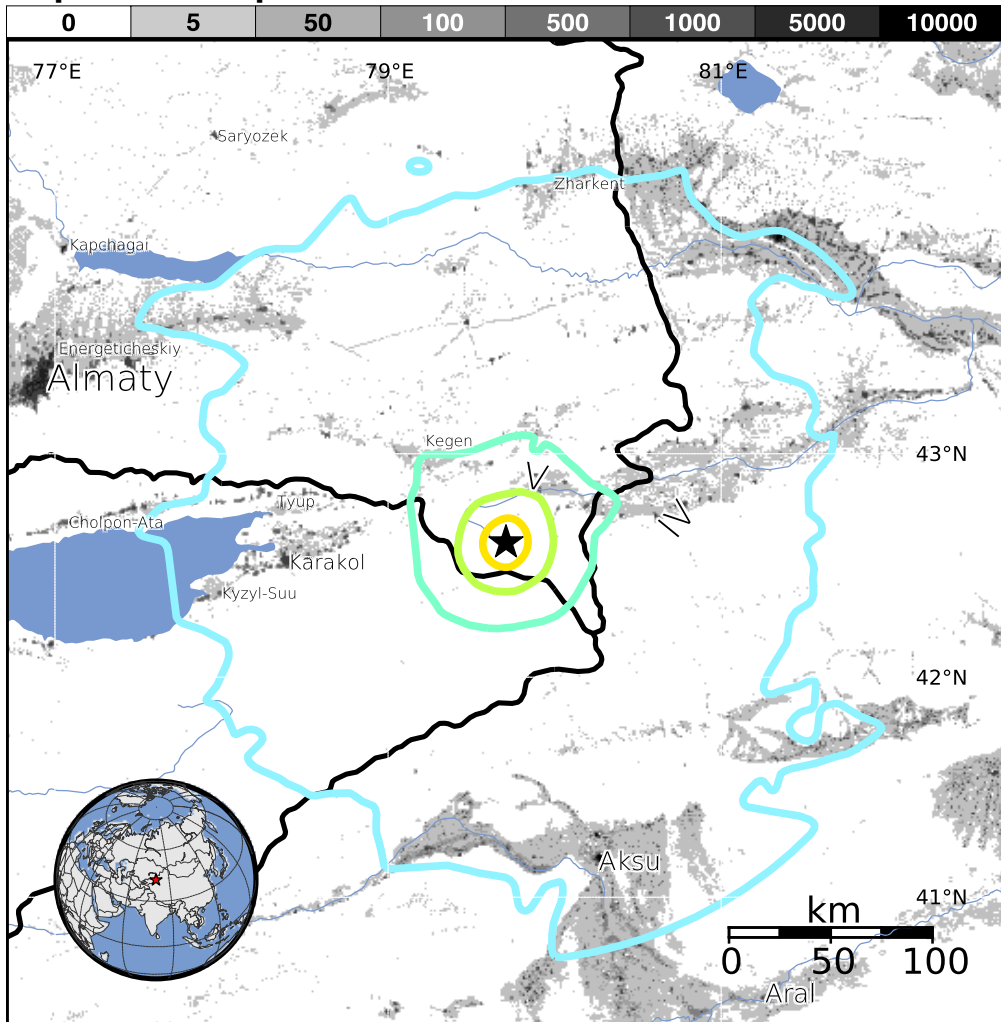


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	3,410k*	2,795k	41k	4k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures:

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1998-07-28	175	5.1	VI(29k)	0
2003-12-01	75	6.0	VIII(6k)	11
1996-03-19	386	6.3	IX(177)	24

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Kegen	10k
IV	Tyup	13k
IV	Karakol	70k
IV	Aksu	340k
IV	Zharkent	34k
IV	Kyzyl-Suu	17k
III	Kapchagai	42k
III	Yesik	26k
III	Aral	260k
III	Talghar	42k
III	Almaty	2,001k

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/pager>

Event ID: usc000ewqq