

M 6.3, 107km SSE of Dostyq, Kazakhstan

Origin Time: 2017-08-08 23:27:53 UTC (Wed 05:27:53 local)
 Location: 44.3230° N 82.8370° E Depth: 25.9 km

PAGER Version 1

Created: 21 minutes, 2 seconds after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses

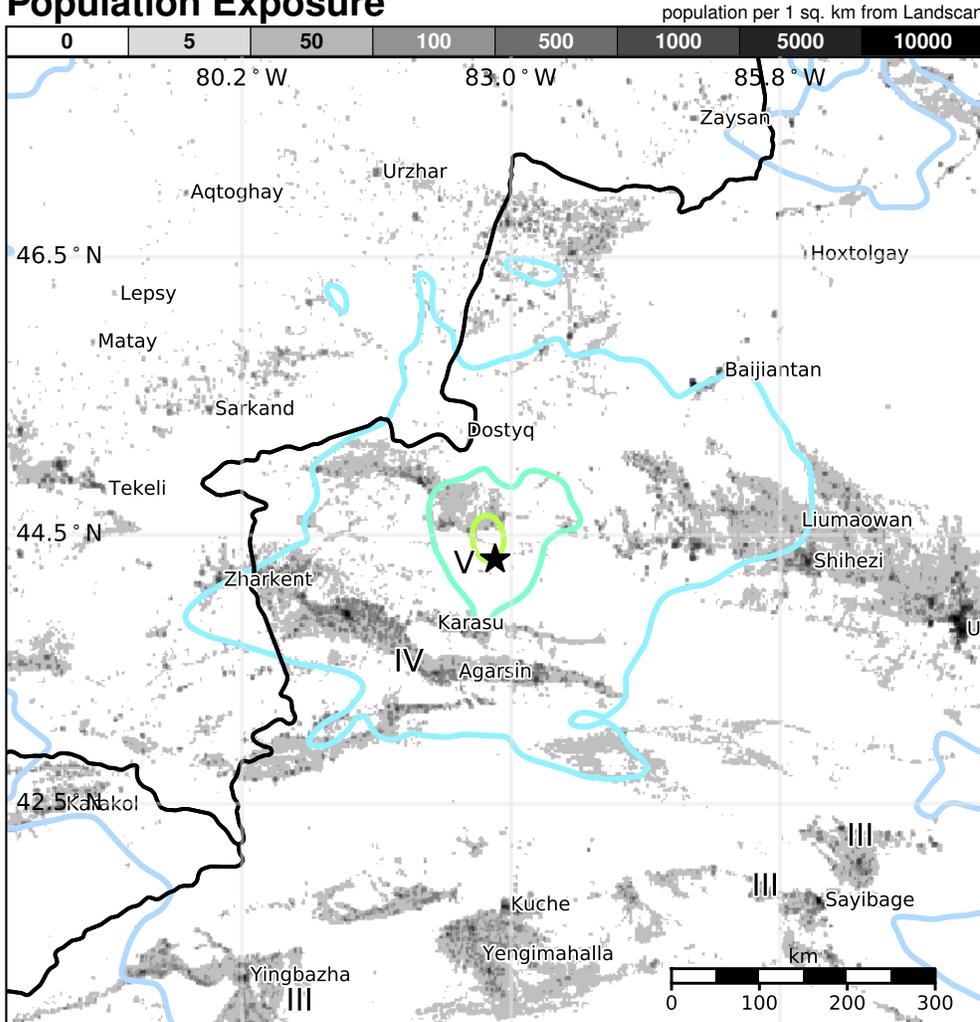
Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of China. Past events with this alert level have required a local or regional level response.

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	10,406k*	3,612k	158k	49k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 resistant structures exist. The predominant vulnerable building types are adobe block and pre-cast tilt-up construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-02-02	356	5.7	VII(80k)	4
1987-01-05	291	5.7	VII(2k)	0
2003-12-01	244	6.0	VIII(6k)	11

Selected City Exposure

MMI	City	Population
V	Karatobe	<1k
IV	Todok	<1k
IV	Nilka	<1k
IV	Agarsin	<1k
IV	Xorbulak	<1k
IV	Karasu	<1k
III	Shihezi	573k
III	Taldyorgan	117k
III	Aksu	340k
III	Ueruemqi	3,029k
III	Karakol	70k

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.
<https://earthquake.usgs.gov/earthquakes/eventpage/us2000a65e#pager>

bold cities appear on map.

(k=x1000)