

**M 5.4, TAJIKISTAN**

Origin Time: Mon 2015-12-07 10:04:58 UTC (15:04:58 local)

Location: 38.65°N 73.20°E Depth: 19 km

**PAGER**  
**Version 3**

Created: 7 weeks, 1 day after earthquake

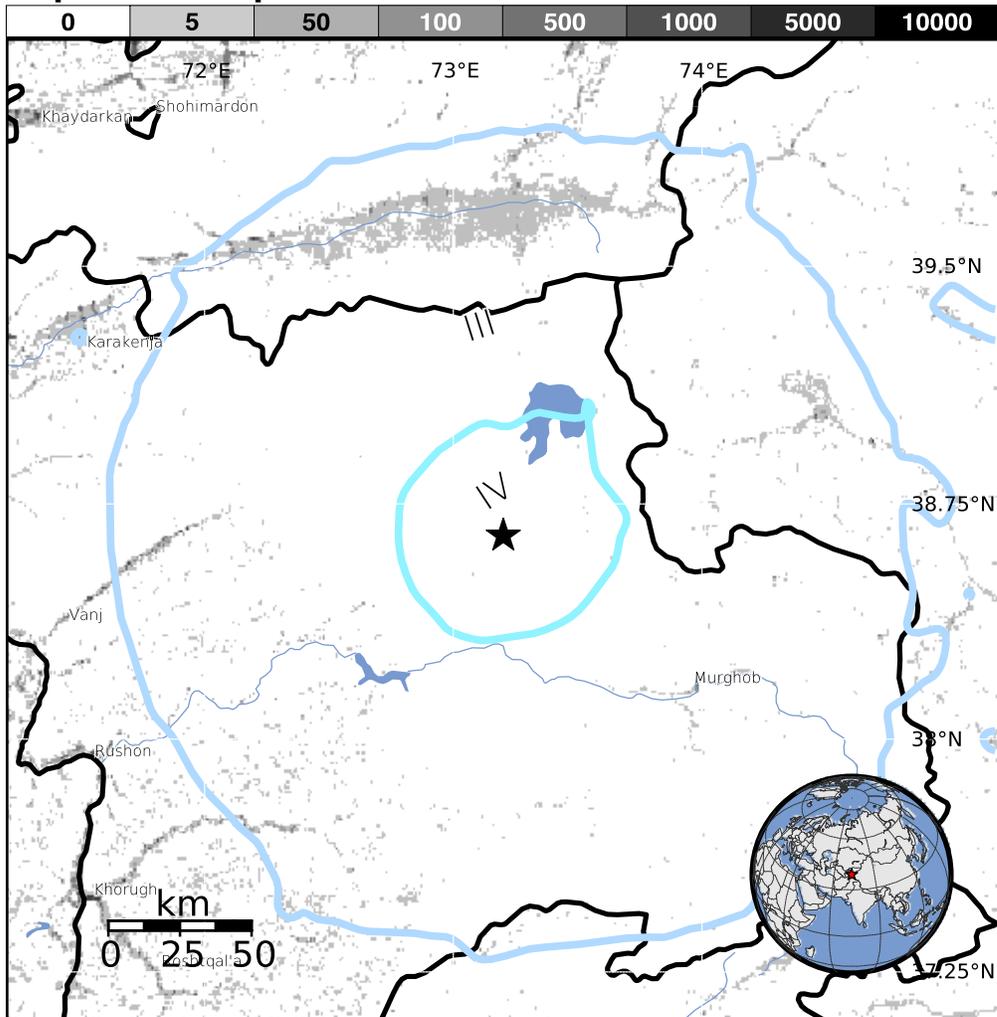


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	448k	1k	0	0	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
1973-01-03	130	5.5	VI(404)	0
2002-01-09	296	5.2	VI(51k)	3
1985-10-13	351	5.8	VIII(17k)	29

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
III	<b>Murghob</b>	11k
III	<b>Karakenja</b>	3k
II	Rushon	< 1k
II	Vanj	< 1k
II	Khaydarkan	12k
II	Khorugh	30k
II	Shohimardon	5k
II	<b>Roshtgal'a</b>	< 1k

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.