

M 5.5, HINDU KUSH REGION, AFGHANISTAN

Origin Time: Wed 2013-04-24 09:25:30 UTC (13:55:30 local)

Location: 34.53°N 70.22°E Depth: 63 km

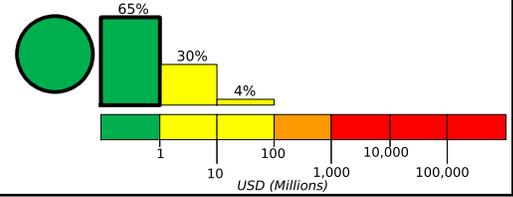
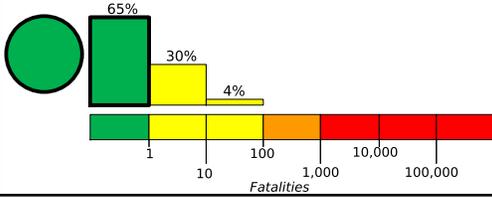
Created: 1 week, 1 day after earthquake

PAGER Version 4

Estimated Fatalities

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

Estimated Economic Losses



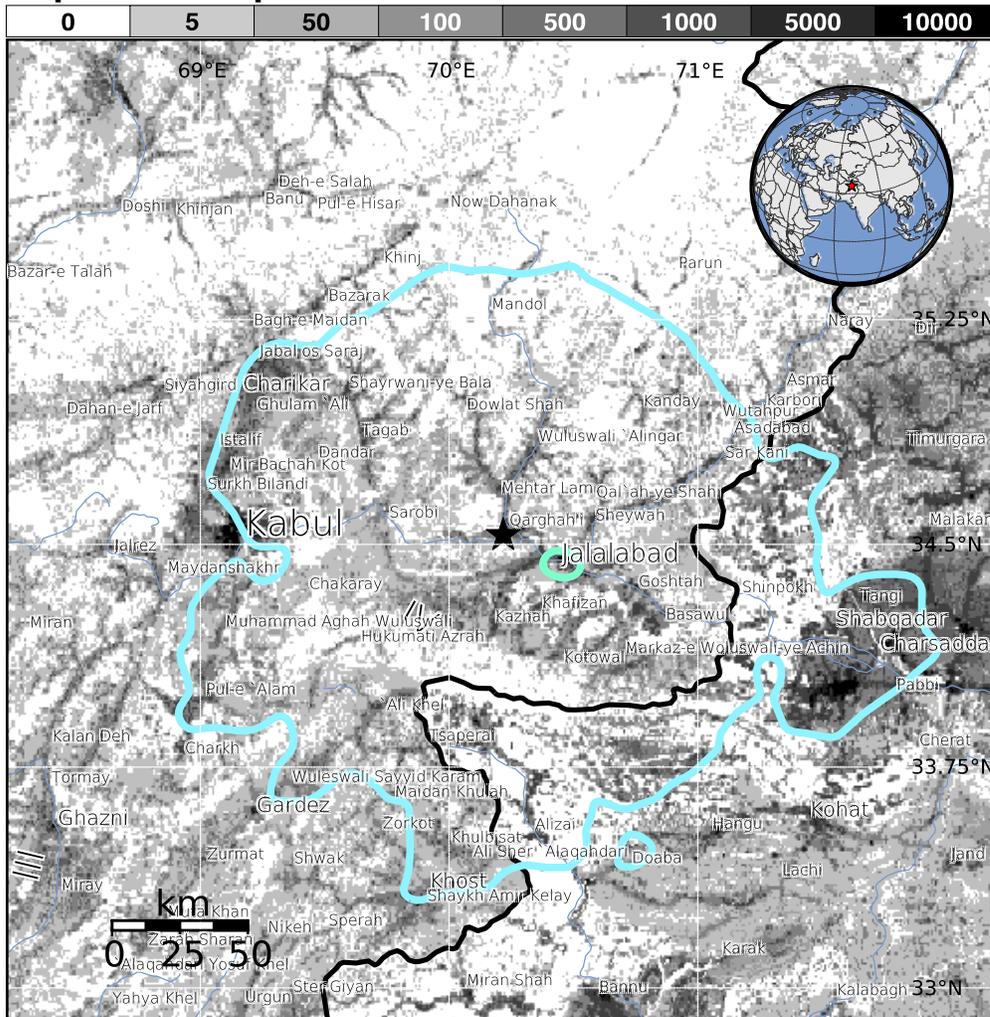
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	16,308k*	14,302k	425k	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

population per ~1 sq. km from Landsat



Structures:

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

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1990-07-13	213	6.3	IV(2,561k)	0
1984-02-16	216	6.4	IV(3,605k)	4
1998-05-30	285	6.5	VII(715k)	4k

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
V	Jalalabad	200k
IV	Sultanpur-e `Ulya	< 1k
IV	Qarghah'i	< 1k
IV	Mehtar Lam	17k
IV	Sangar Saray	< 1k
IV	Khafizan	< 1k
IV	Kabul	3,044k
IV	Peshawar	1,219k
IV	Khost	96k
IV	Gardez	104k
III	Ghazni	141k

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: usb000geu9