USGS science for a changing world

Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

M 5.6, HINDU KUSH REGION, AFGHANISTAN

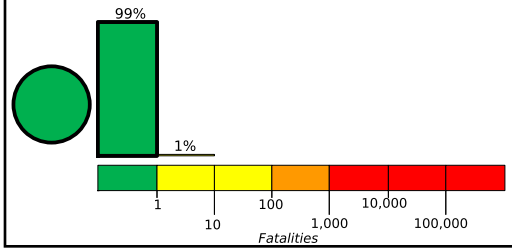
Origin Time: Fri 2013-04-05 22:55:01 UTC (03:25:01 local)

Location: 36.45°N 71.47°E Depth: 100 km

PAGER
Version 1

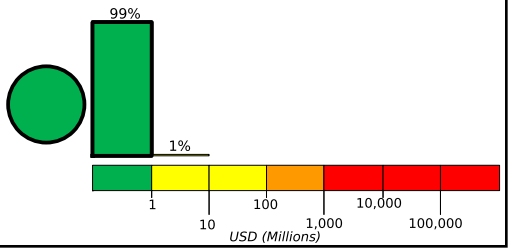
Created: 1 week, 6 days after earthquake

Estimated Fatalities



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

Estimated Economic Losses



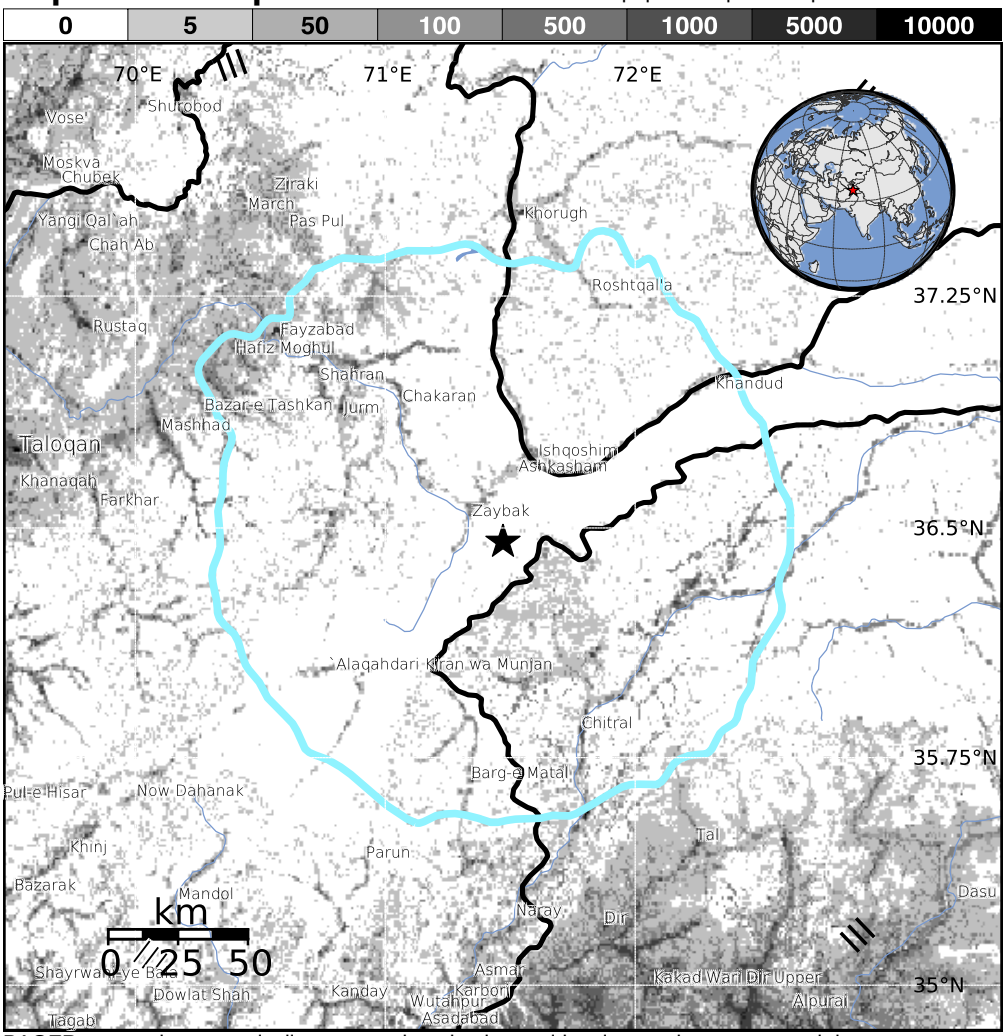
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	6,208k*	1,117k	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

population per ~1 sq. km from Landscan



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
2004-08-10	66	6.0	IV(574k)	0
1998-02-20	35	6.3	IV(913k)	1
1998-05-30	144	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
IV	Ashkasham	12k
IV	Zaybak	< 1k
IV	Chakaran	< 1k
IV	Ishqoshim	26k
IV	Jurm	12k
IV	Chitral	< 1k
IV	Khorugh	30k
IV	Fayzabad	44k
III	Taloqan	64k
III	Parun	< 1k
III	Asadabad	48k

bold cities appear on map (k = x1000)

http://earthquake.usgs.gov/pager

Event ID: usb000g112