

**M 5.8, SOUTHERN IRAN**

Origin Time: Thu 2013-11-28 13:51:34 UTC (17:21:34 local)

Location: 29.32°N 51.31°E Depth: 8 km

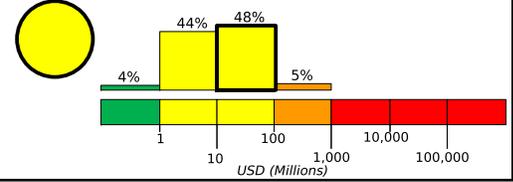
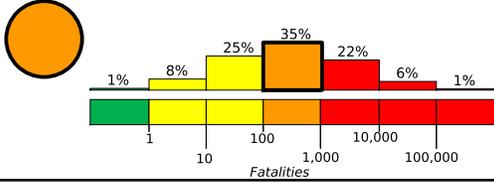
Created: 10 weeks, 5 days after earthquake

**Estimated Fatalities**

Orange alert level for shaking-related fatalities. Significant casualties are likely and the disaster is potentially widespread. Past events with this alert level have required a regional or national level response.

Yellow alert level for economic losses. Some damage is possible. Estimated economic losses are less than 1% of GDP of the Islamic Republic of Iran.

**Estimated Economic Losses**

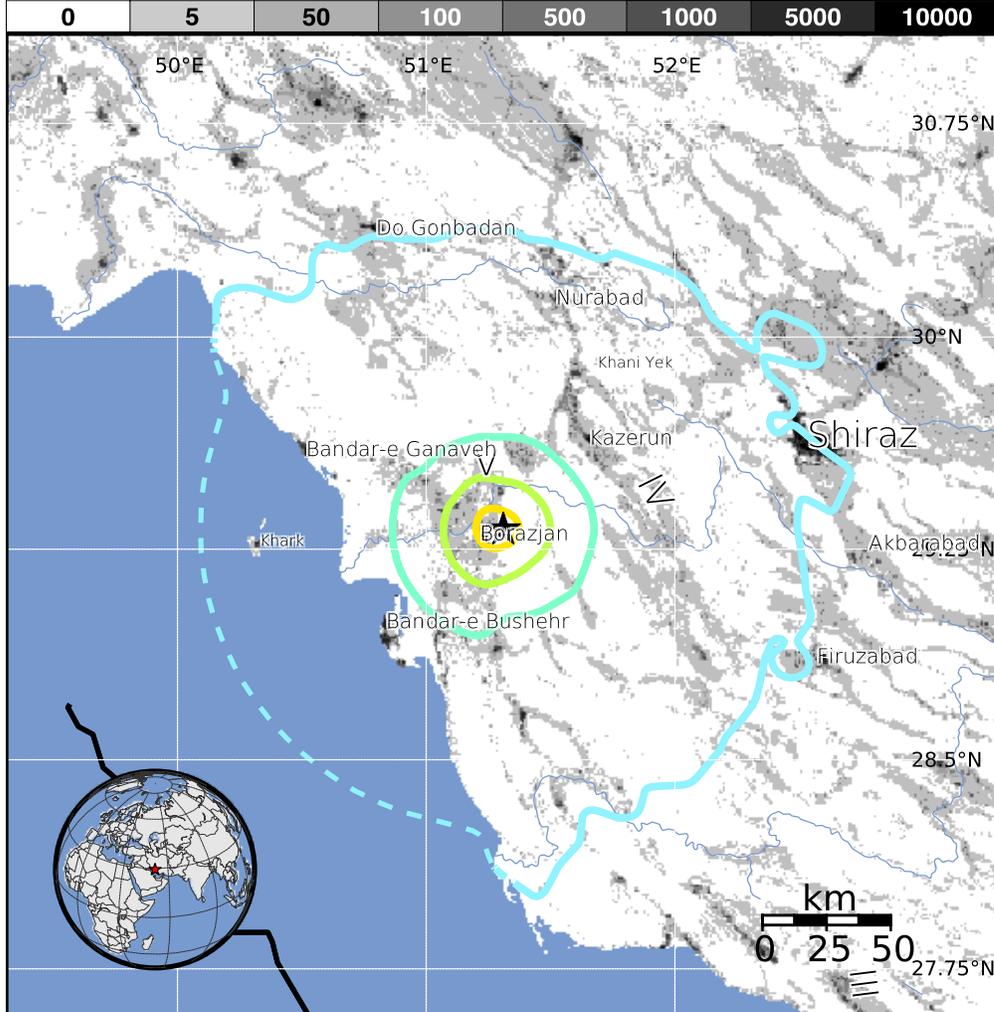


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	2,283k*	2,853k	73k	81k	125k	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 highly vulnerable to earthquake shaking, though some resistant structures exist.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1992-09-08	85	5.2	VII(4k)	1
1978-12-14	347	6.1	VIII(7k)	76
1977-04-06	295	6.0	VIII(31k)	366

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

**Selected City Exposure**

from GeoNames.org

MMI City	Population
<b>VII</b> Borazjan	86k
<b>IV</b> Kazerun	95k
<b>IV</b> Bandar-e Bushehr	165k
<b>IV</b> Bandar-e Ganaveh	53k
<b>IV</b> Nurabad	64k
<b>IV</b> Khark	8k
<b>IV</b> Shiraz	1,250k
<b>IV</b> Do Gonbadan	95k
<b>IV</b> Akbarabad	98k
<b>III</b> Behbahan	79k
<b>III</b> Yasuj	< 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.

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

Event ID: usb00017nt