

M 6.4, SOUTHERN IRAN

Origin Time: Tue 2013-04-09 11:52:50 UTC (16:22:50 local)

Location: 28.50°N 51.59°E Depth: 10 km

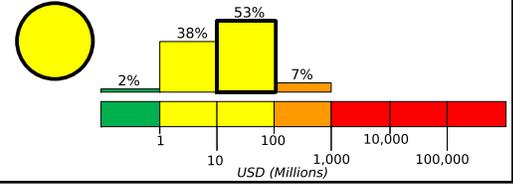
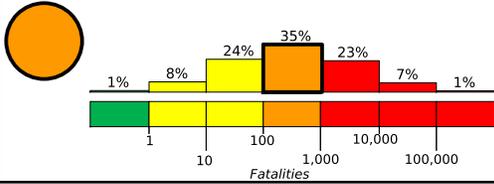
Created: 1 week, 1 day after earthquake

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

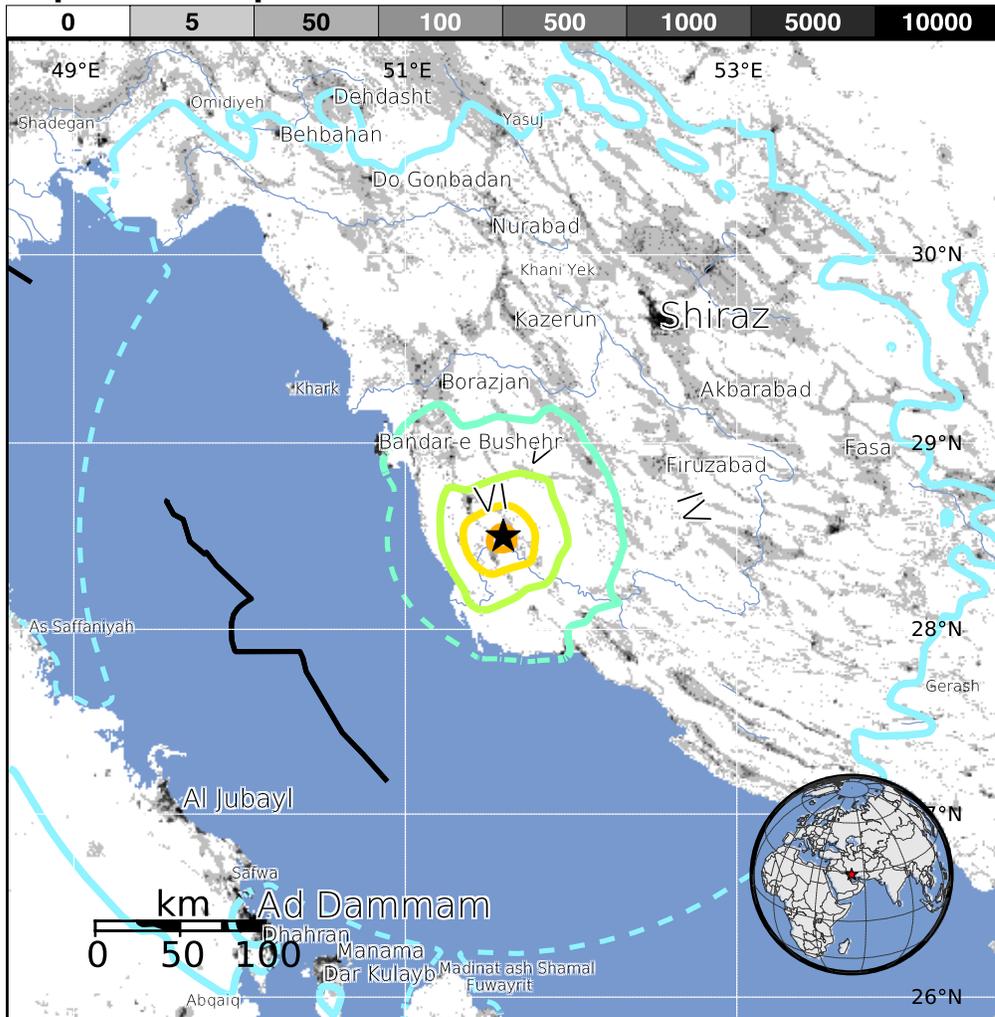


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- - *	3,167k*	7,430k	295k	64k	19k	4k	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. The predominant vulnerable building types are adobe block and unreinforced brick with concrete floor construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1988-12-06	155	5.9	VIII(3k)	0
1999-05-06	110	6.2	IX(24)	26
1977-04-06	394	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
IV	Bandar-e Bushehr	165k
IV	Borazjan	86k
IV	Firuzabad	67k
IV	Shiraz	1,250k
IV	Khark	8k
IV	Kazerun	95k
IV	Al Jubayl	237k
IV	Yasuj	< 1k
III	Ad Dammam	769k
III	Manama	147k

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: usb000g2y5