

M 5.4, SOUTHERN IRAN

Origin Time: Wed 2013-04-10 01:58:27 UTC (06:28:27 local)

Location: 28.45°N 51.61°E Depth: 10 km

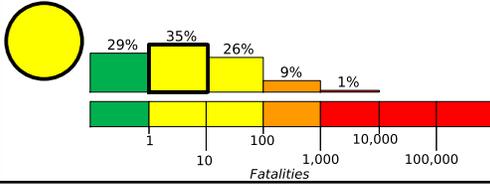
PAGER
Version 2

Created: 1 week, 1 day after earthquake

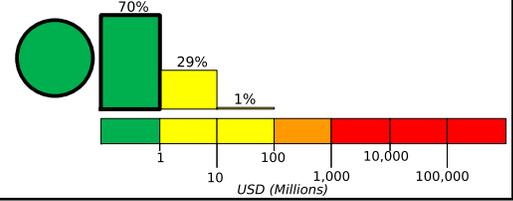
Estimated Fatalities

Yellow alert level for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert level for economic losses. There is a low likelihood of damage.



Estimated Economic Losses

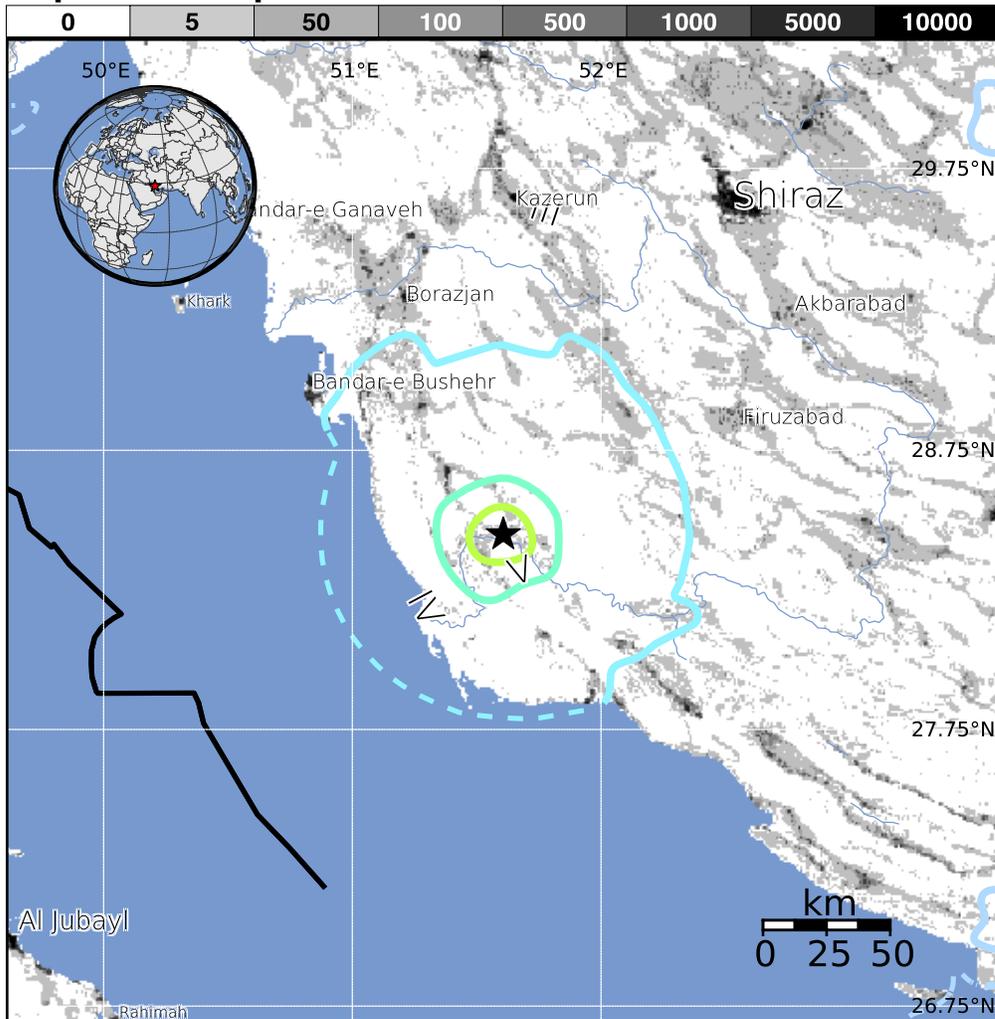


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	4,593k	297k	14k	6k	2k	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
2002-02-17	44	5.3	VII(3k)	1
1990-11-06	377	6.6	IX(5k)	22
1999-05-06	115	6.2	IX(24)	26

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
III Bandar-e Bushehr	165k
III Firuzabad	67k
III Borazjan	86k
III Akbarabad	98k
III Khark	8k
III Shiraz	1,250k
III Kazerun	95k
III Bandar-e Ganaveh	53k
III Nurabad	64k
III Rahimah	41k
III Al Jubayl	237k

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: usb000g3p7