

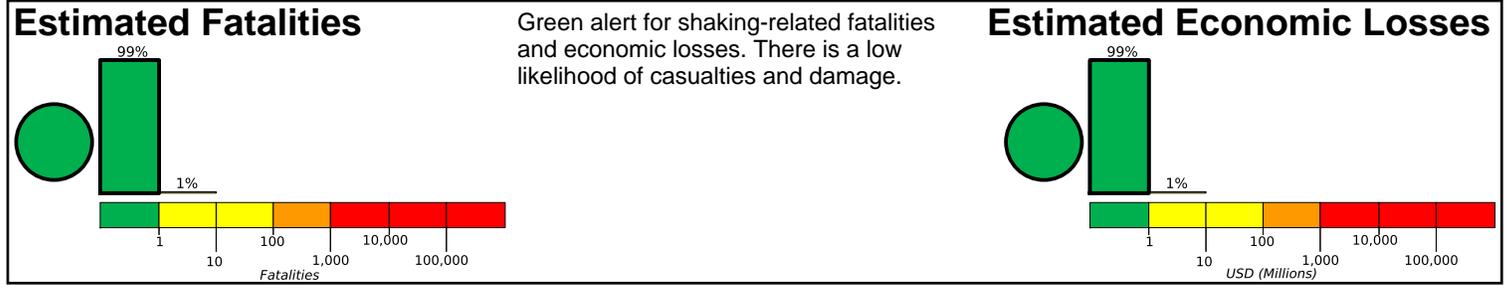
M 4.1, 18.9 km (11.7 mi) SSW of San Clemente Is. (NW tip), CA

Origin Time: Mon 2014-11-10 08:42:42 UTC (00:42:42 local)

Location: 32.87°N 118.65°W Depth: 5 km

PAGER
Version 6

Created: 1 day, 0 hours after earthquake

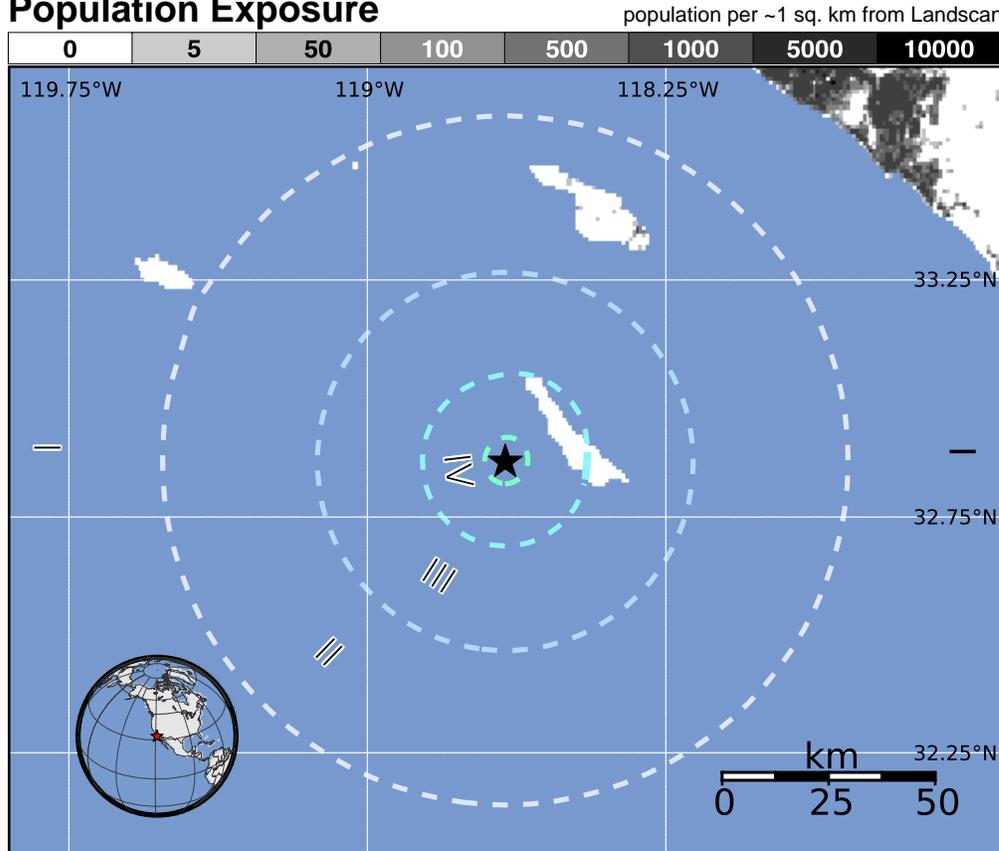


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		1,103k*	4k	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



Structures:

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

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1986-07-13	75	5.8	V(9,528k)	0
2003-12-22	390	6.6	VII(213)	2
1994-01-17	154	6.7	IX(181k)	33

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
II	Avalon	4k
I	Aliso Viejo	48k
I	Costa Mesa	110k
I	Coto De Caza	15k
I	Dana Point	33k
I	Foothill Ranch	12k
I	Irvine	212k
I	Huntington Beach	190k
I	Mission Viejo	93k
I	Newport Beach	85k
I	Lake Forest	77k

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: ci37286720