

# M 4.3, 75.1 km (46.7 mi) SW of San Ysidro, CA

Origin Time: Sat 2013-02-23 04:40:14 UTC (20:40:14 local)

Location: 32.09°N 117.63°W Depth: 33 km

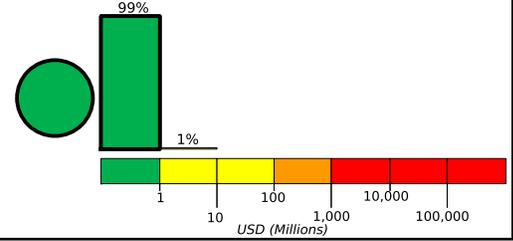
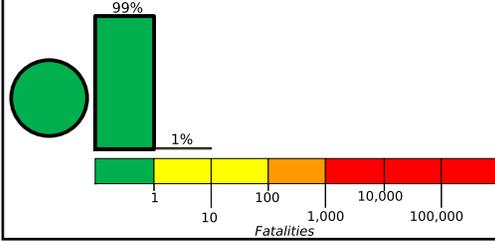
Created: 1 day, 0 hours after earthquake

## PAGER Version 5

### Estimated Fatalities

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

### Estimated Economic Losses

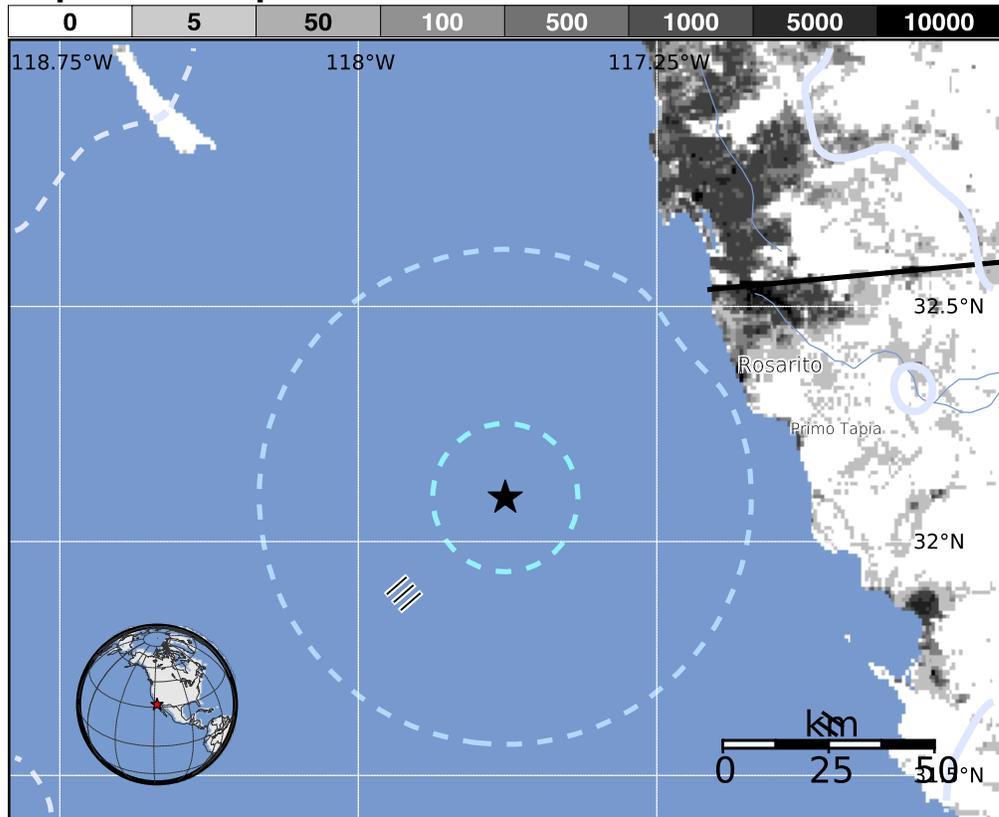


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		149k*	4,136k	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 a mix of vulnerable and earthquake resistant construction.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-12-08	257	5.7	VIII(72)	0
2002-02-22	232	5.5	VIII(8k)	0
1980-06-09	257	6.3	IX(336)	1

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 Chula Vista	244k
II Coronado	19k
<b>II Rosarito</b>	<b>66k</b>
II Imperial Beach	26k
II Bonita	13k
II National City	59k
II San Diego	1,307k
II El Cajon	99k
II Tijuana	1,376k
II Encinitas	60k
II Ensenada	257k

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: ci11248258