

M 4.5, 81.5 km (50.6 mi) W of Petrolia, CA

Origin Time: Sat 2013-03-30 21:43:28 UTC (13:43:28 local)

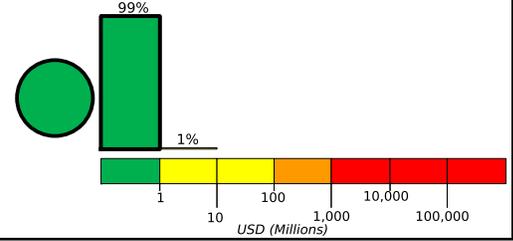
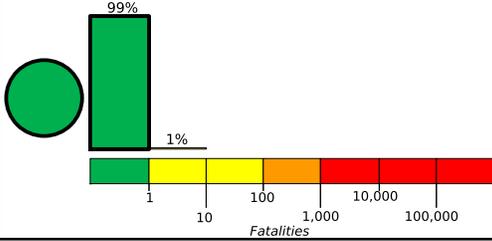
Location: 40.45°N 125.23°W Depth: 4 km

Created: 7 hours, 48 minutes after earthquake

Estimated Fatalities

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

Estimated Economic Losses

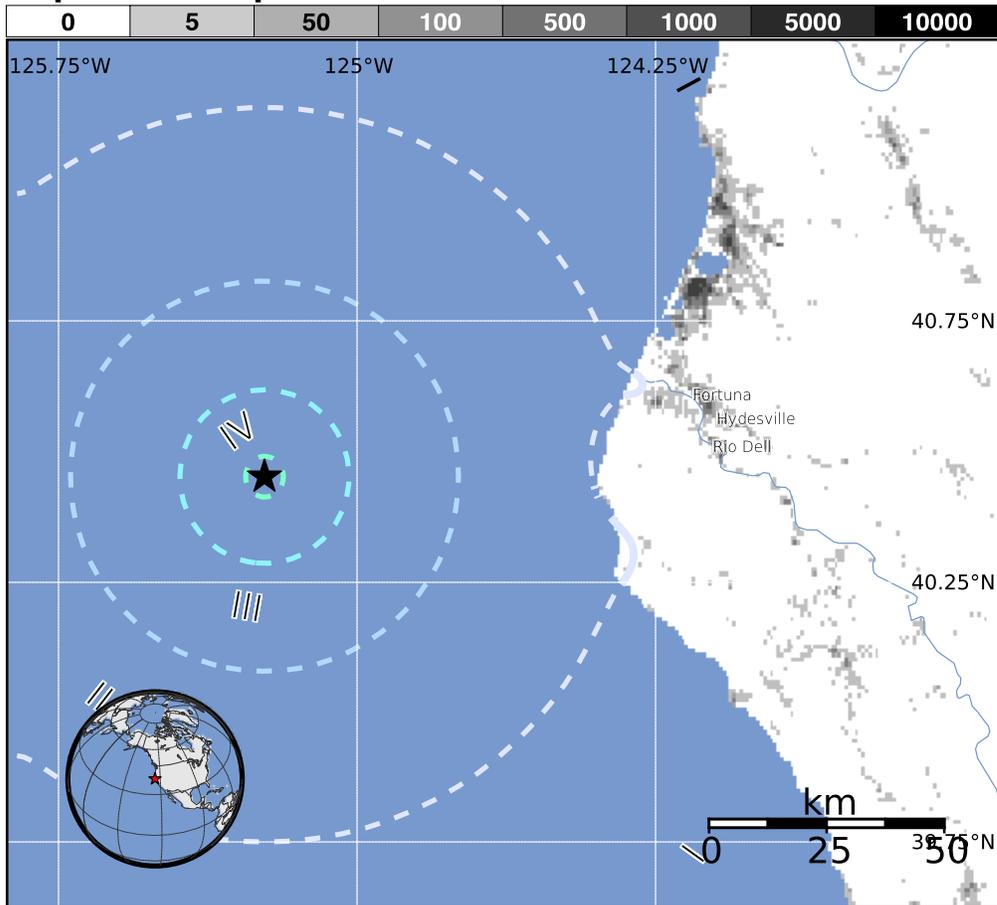


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		141k*	1k	0	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
1991-07-13	199	6.8	V(51k)	0
1980-11-08	107	7.3	IX(16k)	0
1993-09-21	339	6.0	VIII(24)	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
I	Fortuna	12k
I	Hydesville	1k
I	Ferndale	1k
I	Rio Dell	3k
I	Humboldt Hill	3k
I	Bayview	3k
I	Eureka	27k
I	Arcata	17k
I	Bayside	17k
I	McKinleyville	15k
I	Myrtle town	5k

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: nc71963385