

M 5.7, 40.8 km (25.4 mi) SW of Ferndale, CA

Origin Time: Wed 2015-01-28 21:08:54 UTC (13:08:54 local)

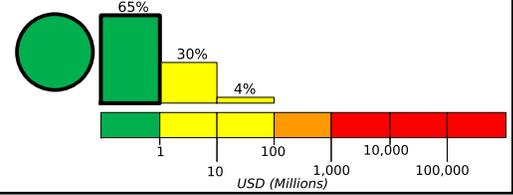
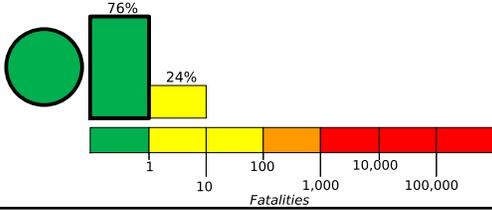
Location: 40.32°N 124.61°W Depth: 17 km

Created: 15 weeks, 5 days 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

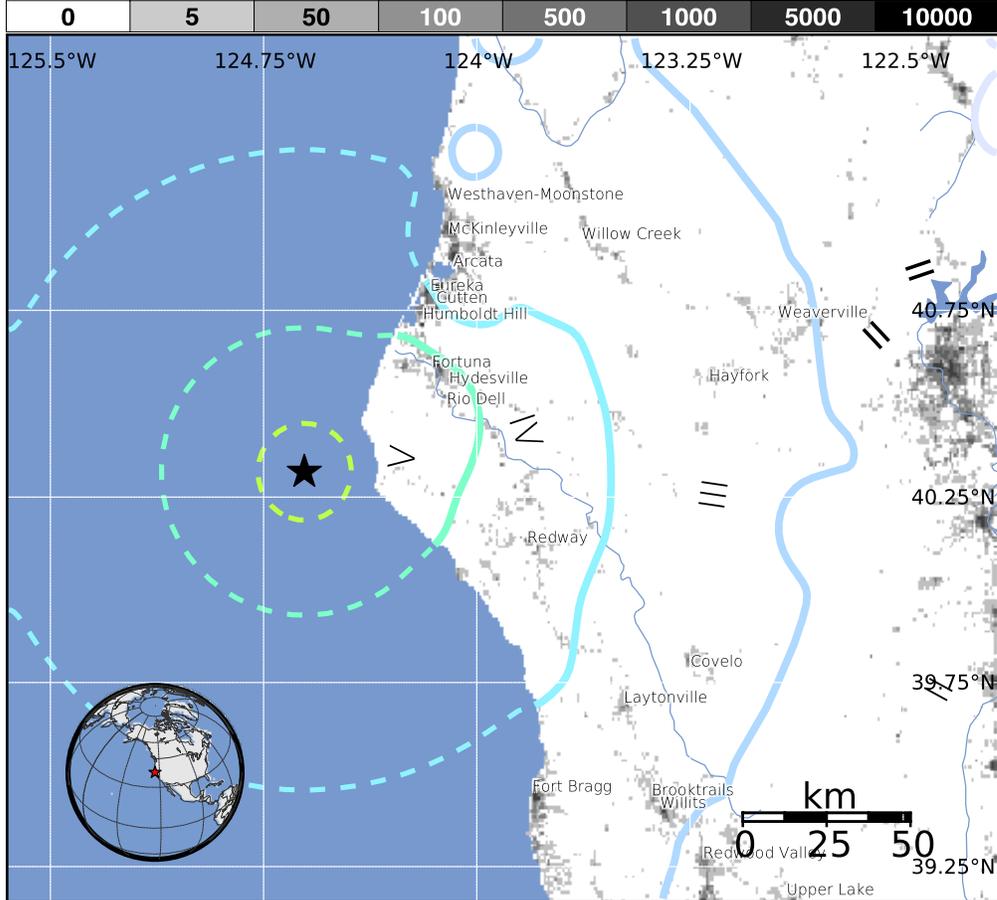


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	404k*	46k	24k	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	231	6.8	V(51k)	0
1980-01-24	381	5.8	VII(31k)	1
1993-09-21	310	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
V	Ferndale	1k
V	Rio Dell	3k
V	Fortuna	12k
V	Hydesville	1k
IV	Redway	1k
IV	Humboldt Hill	3k
IV	Eureka	27k
III	McKinleyville	15k
III	Bayside	17k
III	Arcata	17k
II	Redding	90k

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: nc72387946