

**M 4.1, 28.9 km (17.9 mi) SSW of Ferndale, CA**

Origin Time: Mon 2014-06-02 23:54:20 UTC (16:54:20 local)

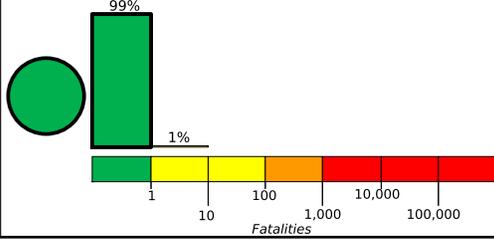
Location: 40.35°N 124.42°W Depth: 18 km

Created: 49 weeks, 6 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**

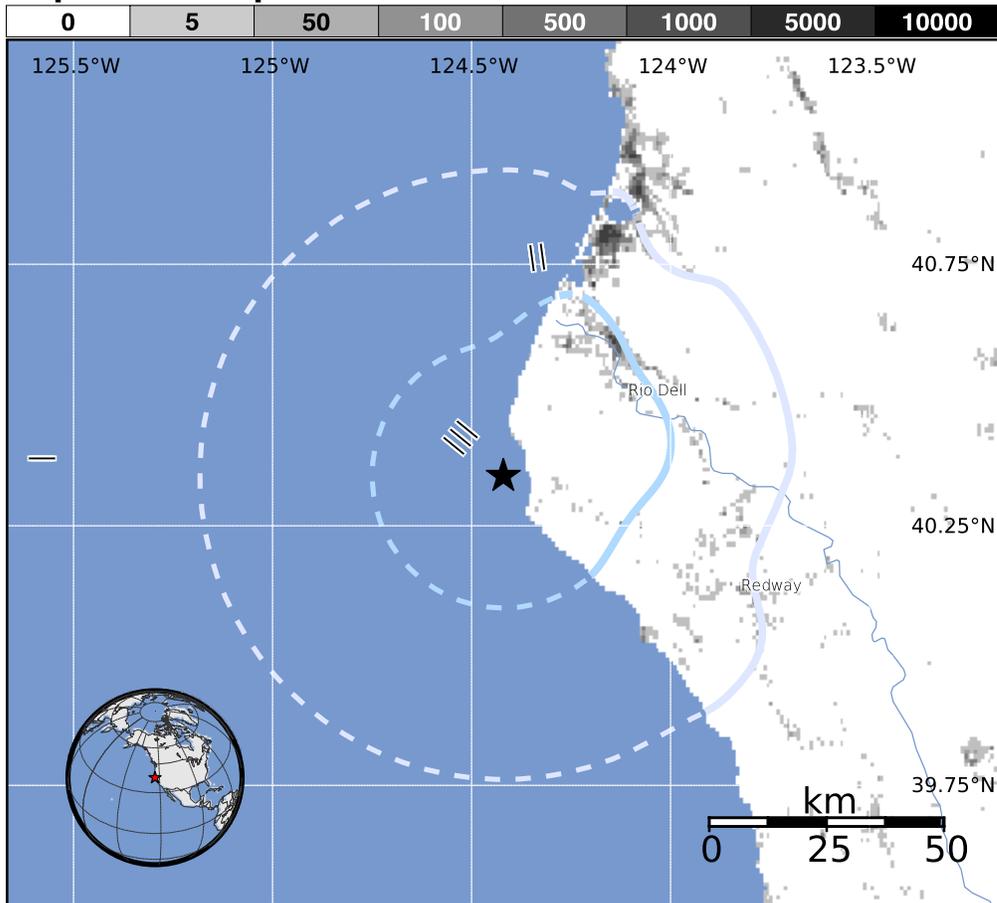


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		53k	96k	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	235	6.8	V(51k)	0
1980-01-24	373	5.8	VII(31k)	1
1993-09-21	296	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
III	Ferndale	1k
III	<b>Rio Dell</b>	<b>3k</b>
III	Fortuna	12k
II	Hydesville	1k
II	Humboldt Hill	3k
II	Pine Hills	3k
II	Eureka	27k
II	Myrtle town	5k
II	Arcata	17k
II	Bayside	17k
I	McKinleyville	15k

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: nc72231201