

M 4.3, 15.5 km (9.6 mi) WSW of Petrolia, CA

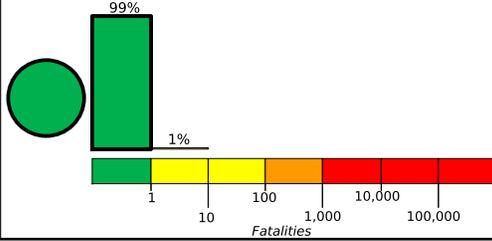
Origin Time: Sat 2013-05-18 13:46:08 UTC (06:46:08 local)

Location: 40.29°N 124.46°W Depth: 23 km

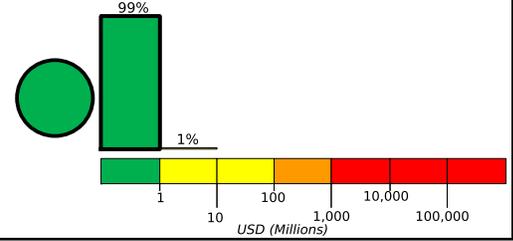
Created: 2 days, 17 hours after earthquake

Estimated Fatalities

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



Estimated Economic Losses

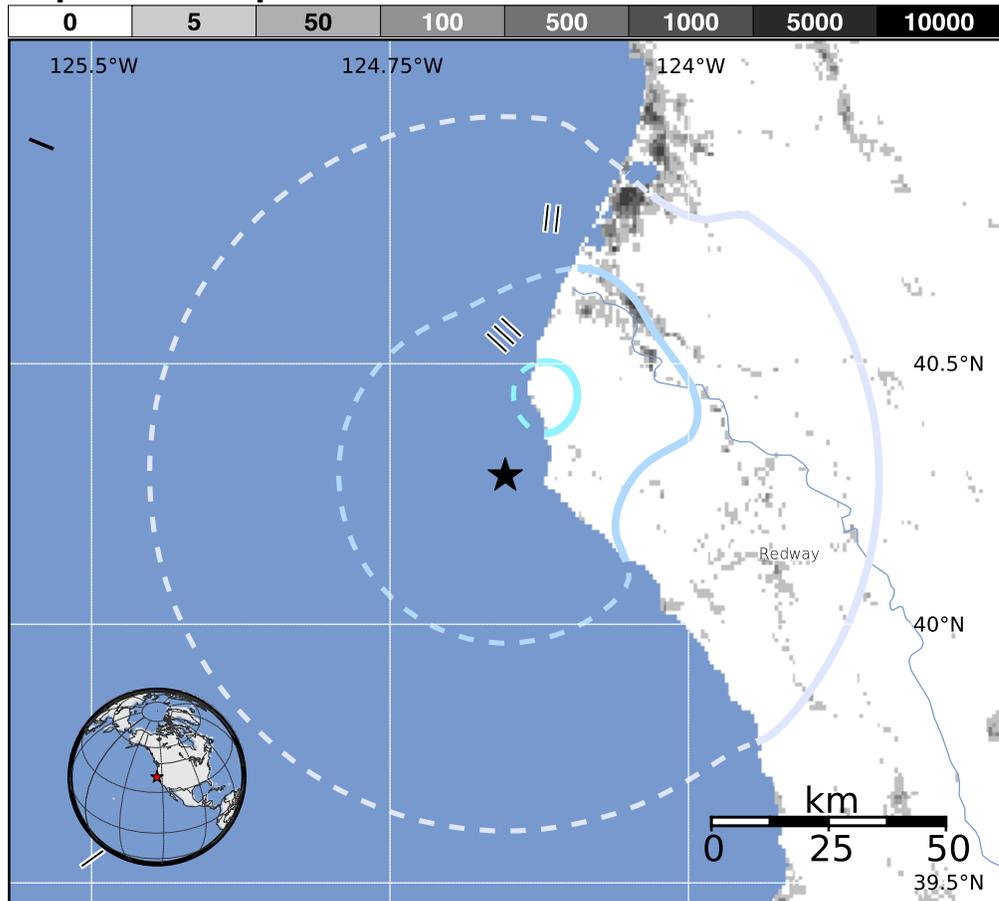


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	56k*	89k	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	240	6.8	V(51k)	0
1980-01-24	368	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	Fortuna	12k
III	Rio Dell	3k
II	Hydesville	1k
II	Redway	1k
II	Humboldt Hill	3k
II	Eureka	27k
II	Myrtle town	5k
II	Bayside	17k
I	McKinleyville	15k
I	Arcata	17k

bold cities appear on map

(k = x1000)