

M 4.0, 1.4 km (0.8 mi) N of Piedmont, CA

Origin Time: Mon 2015-08-17 13:49:17 UTC (05:49:17 local)

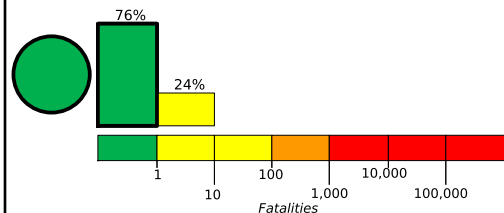
Location: 37.84°N 122.23°W Depth: 4 km

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Version 11

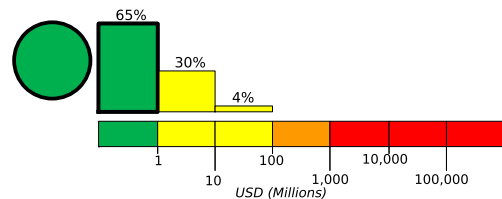
Created: 23 weeks, 2 days after earthquake

Estimated Fatalities

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



Estimated Economic Losses

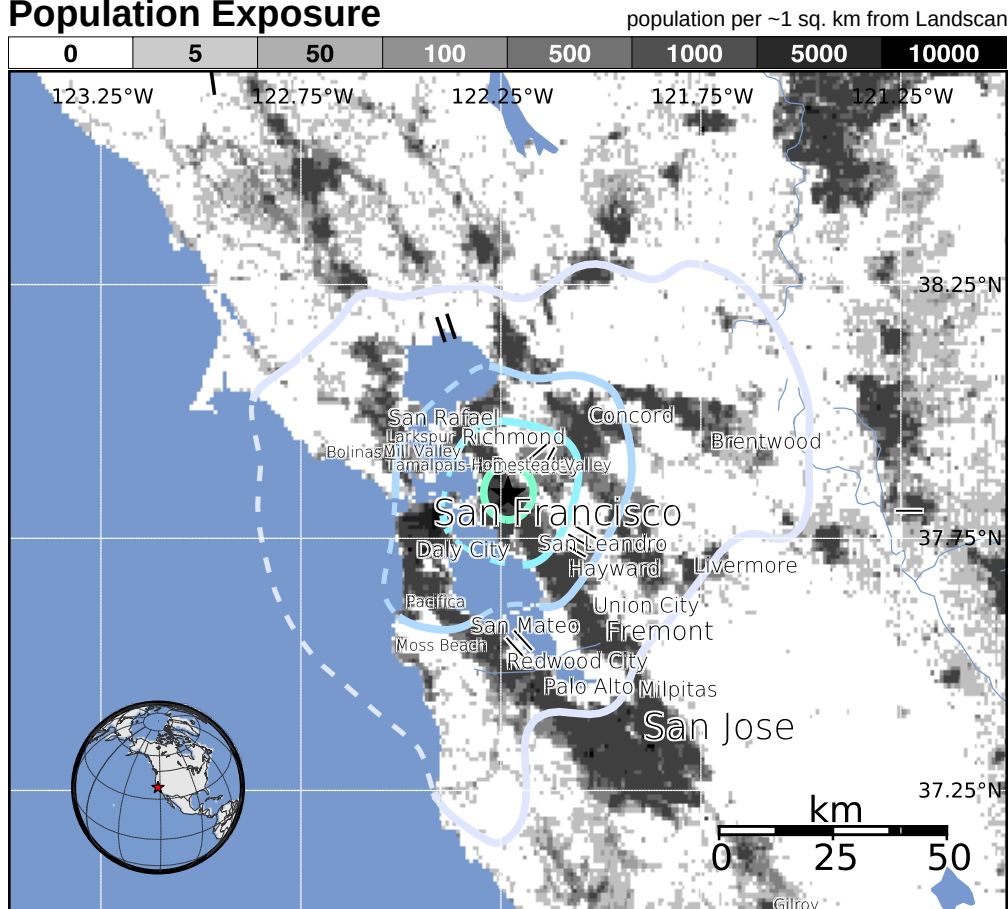


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		4,880k*	3,702k	795k	485k	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
1984-11-26	312	5.1	V(17k)	0
2003-12-22	267	6.6	VII(213)	2
1989-10-18	91	6.9	IX(3k)	62

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 Piedmont	11k
V Berkeley	113k
V Emeryville	10k
V Oakland	391k
V Orinda	18k
IV Albany	19k
IV San Francisco	805k
II Fremont	214k
I San Jose	946k
I Sacramento	466k
I Stockton	292k

bold cities appear on map

(k = x1000)