

M 4.0, 1.3 km (0.8 mi) W of Concord, CA

Origin Time: Sun 2015-05-03 22:13:19 UTC (15:13:19 local)

Location: 37.97°N 122.03°W Depth: 14 km

Created: 1 hour, 2 minutes after earthquake

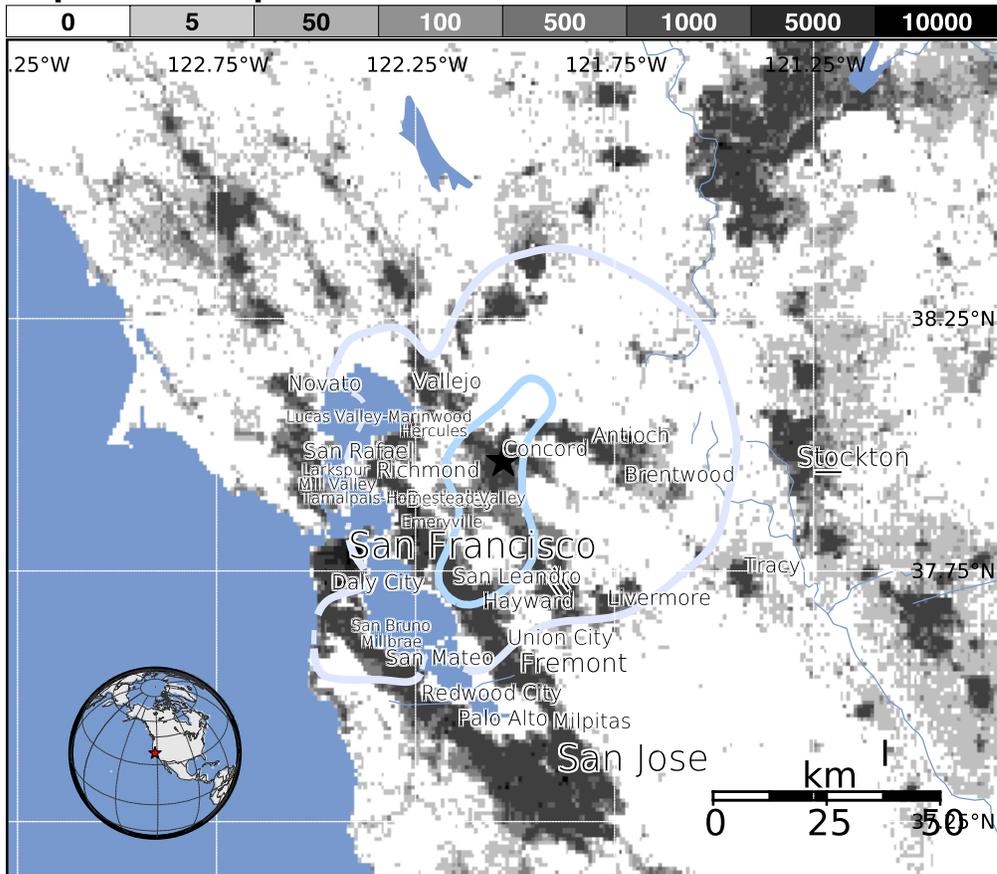


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	7,160k*	3,616k	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
1984-11-26	298	5.1	V(17k)	0
2003-12-22	275	6.6	VII(213)	2
1989-10-18	98	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
III	Danville	42k
III	Pacheco	4k
III	Pleasant Hill	33k
III	Walnut Creek	64k
III	Waldon	5k
III	San Leandro	85k
II	Oakland	391k
II	San Francisco	805k
I	Sacramento	466k
I	San Jose	946k
I	Stockton	292k

bold cities appear on map

(k = x1000)