

**M 4.1, 10.6 km (6.6 mi) SSW of Tres Pinos, CA**

Origin Time: Tue 2016-07-19 21:39:20 UTC (14:39:20 local)

Location: 36.70°N 121.35°W Depth: 2 km

Created: 6 hours, 6 minutes after earthquake

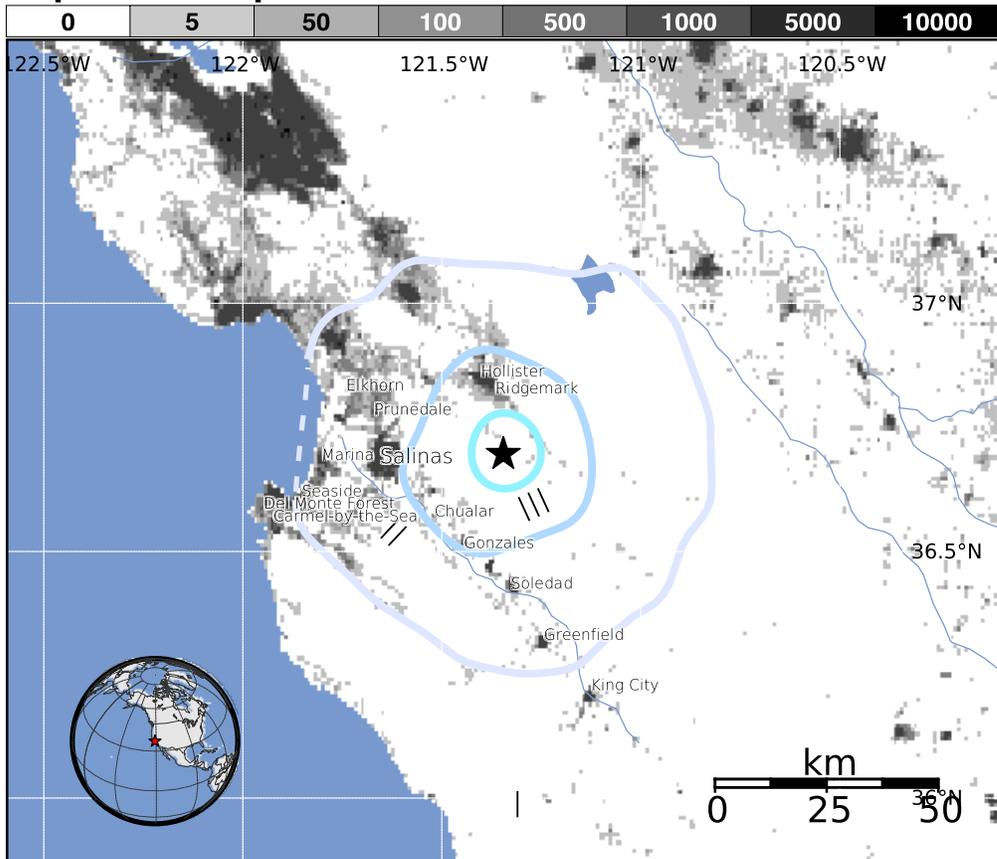


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		3,017k	545k	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	239	5.1	V(17k)	0
2003-12-22	122	6.6	VII(213)	2
1989-10-18	59	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	Ridgemark	3k
III	Hollister	35k
III	Chualar	1k
III	Gonzales	8k
II	San Juan Bautista	2k
II	Salinas	150k
I	San Jose	946k
I	Sunnyvale	140k
I	Santa Clara	116k
I	Merced	79k
I	Redwood City	77k

bold cities appear on map

(k = x1000)