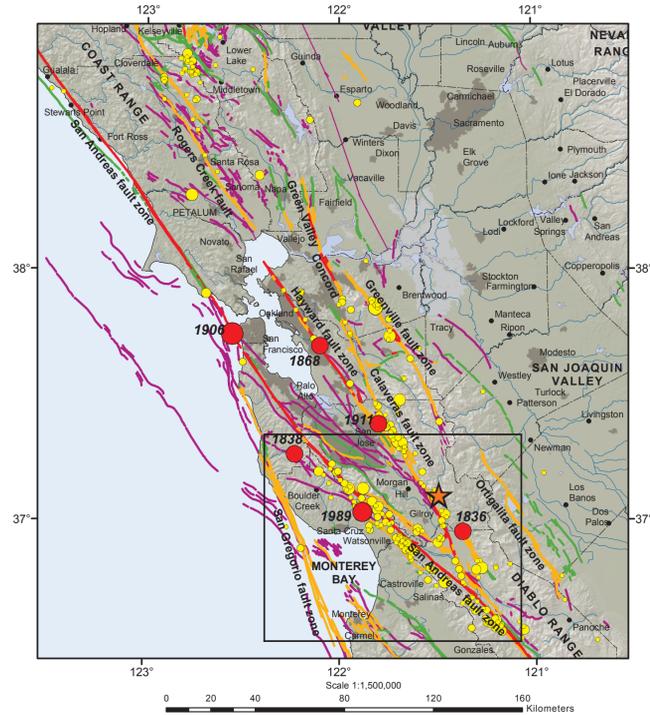


M4.3 San Martin, California, Earthquake of 15 June 2006

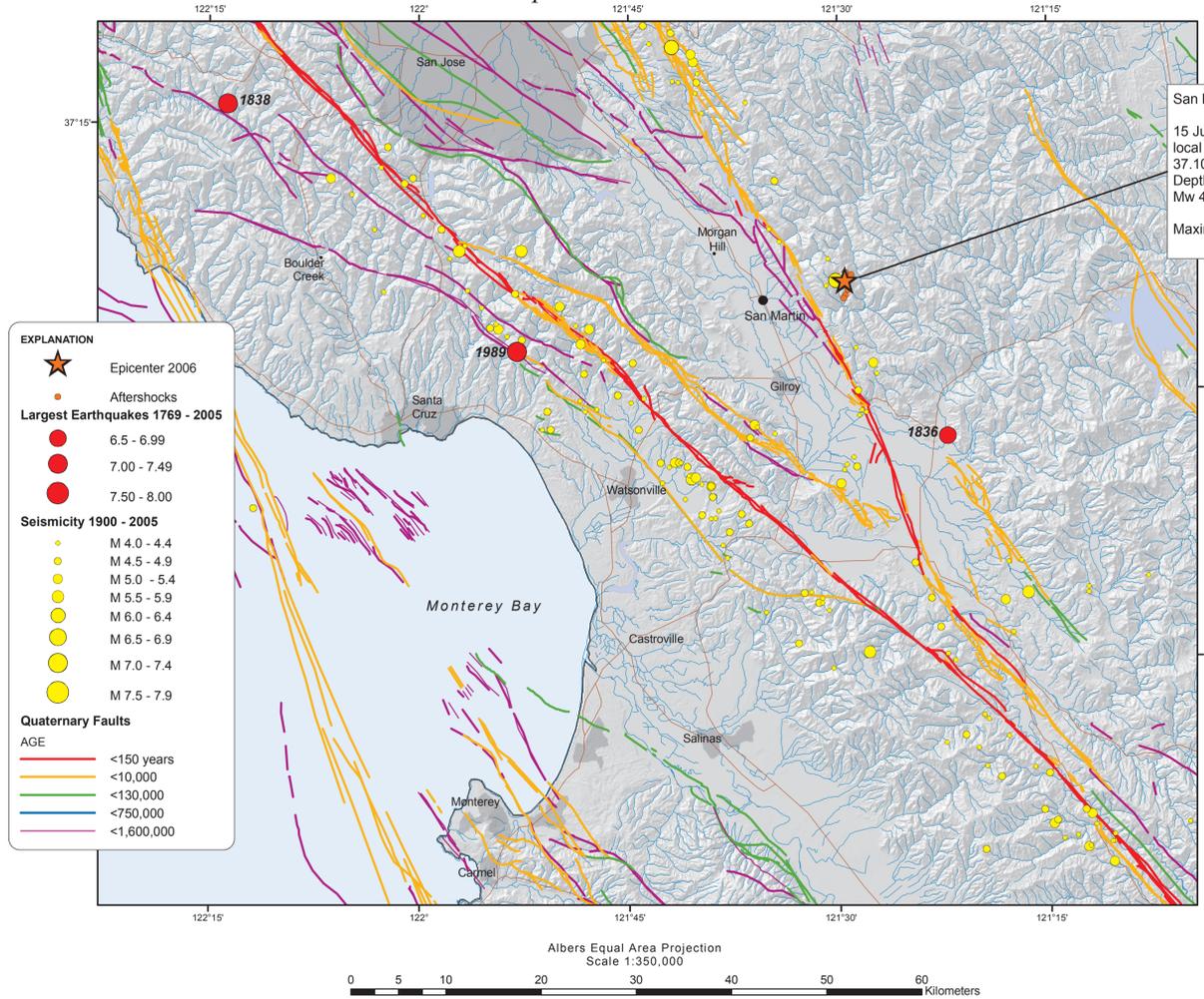


Rapid Instrumental Intensity Map Epicenter: 10 km E of San Martin
Jun 15, 2006 05:24:51 AM PDT M 4.7 N37.10 W121.49 Depth: 3.1 km ID:5117175

Seismicity and Physiographic Setting



Epicentral Area



San Martin, California
15 June 2006 12:24:51 UTC
local time 5:24:51 AM
37.102°N, 121.492°W
Depth 3.1 km
Mw 4.7
Maximum intensity IV. Felt throughout Monterey Bay region.

- EXPLANATION**
- ★ Epicenter 2006
 - Aftershocks
 - Largest Earthquakes 1769 - 2005
 - 6.5 - 6.99
 - 7.00 - 7.49
 - 7.50 - 8.00
 - Seismicity 1900 - 2005
 - M 4.0 - 4.4
 - M 4.5 - 4.9
 - M 5.0 - 5.4
 - M 5.5 - 5.9
 - M 6.0 - 6.4
 - M 6.5 - 6.9
 - M 7.0 - 7.4
 - M 7.5 - 7.9
 - Quaternary Faults
 - <150 years
 - <10,000
 - <130,000
 - <750,000
 - <1,600,000

SHAKEMAP

A ShakeMap is a representation of ground shaking produced by an earthquake. While an earthquake has one magnitude and one epicenter, it produces a range of ground shaking levels at sites throughout the region depending on distance from the earthquake, the rock and soil conditions at sites, and variations in the propagation of seismic waves from the earthquake due to complexities in the structure of the Earth's crust.

For the XXX earthquake, there are few seismic stations (shown as triangles) in the strongly shaken area so ground motions in these areas are inferred and are not well determined. Find ShakeMap online at <http://earthquake.usgs.gov/shakemap>.

PEAK GROUND ACCELERATION

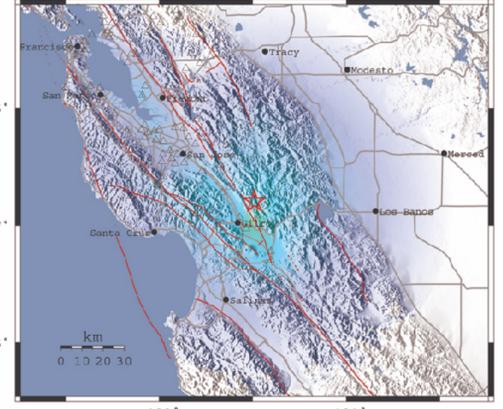
Contours show ground motion acceleration in %g (100%g is equal to the acceleration due to gravity). Stations are shown as triangles, and small circles show locations of estimated shaking based on past earthquakes of similar magnitude. The black line represents the approximate extent of rupture to the southeast of the epicenter (red star). Surface faults are shown with red lines and roads are shown as grey lines.

INSTRUMENTAL INTENSITY

Color-coded predicted seismic intensity (see Legend) based on ground motions recorded in past earthquakes. Stations are shown as triangles. The black line represents the approximate extent of rupture to the southeast of the epicenter (red star). Surface faults are shown with red lines and roads are shown as grey lines.

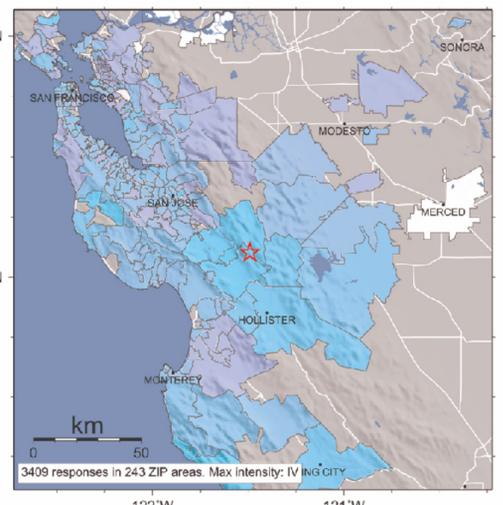
COMMUNITY INTERNET INTENSITY MAP

The CIIM, commonly referred to as "Did you feel it?", summarizes the online questionnaire responses provided by Internet users. An intensity number is assigned to each community from which a completed CIIM form was received; each intensity value reflects the effects of earthquake shaking on the people and structures in the community. The color-coded ZIP code on the map represents the average of the individual intensity values in that ZIP code zone. For more information about CIIM go to: <http://earthquake.usgs.gov/>, select "Did you feel it?"



PREDICTED PEAK GROUND ACCELERATION	None	Very Light	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	None	None	Some	Minor	Minor to Moderate				
PEAK ACC. (g)	<0.1	0.1-1.1	1.1-2.0	2.0-3.0	3.0-4.0	4.0-6.0	6.0-10.0	10.0-20.0	>20.0
MAX. VEL. (cm/s)	<0.1	0.1-1.1	1.1-2.0	2.0-3.0	3.0-4.0	4.0-6.0	6.0-10.0	10.0-20.0	>20.0
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X

USGS Community Internet Intensity Map (6 miles E of San Martin, CA)

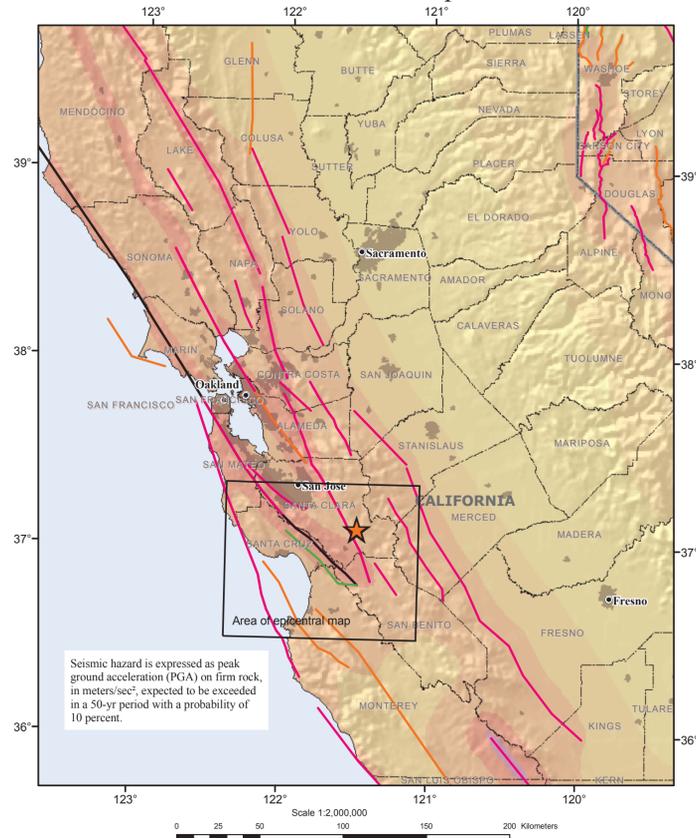


INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X
SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	Some	Very light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy

DATA SOURCES

- EARTHQUAKES AND SEISMIC HAZARD**
USGS, National Earthquake Information Center
Southern California Earthquake Data Center (SCECD)
NOAA, National Geophysical Data Center
IASPEI, Centennial Catalog (1900 - 1999) and extensions (Engdahl and Villasehor, 2002)
HDF (unpublished earthquake catalog) (Engdahl, 2003)
USGS (2003), National Seismic Hazard Maps
Global Seismic Hazard Assessment Program (GSHAP, 1999)
- FAULTS AND FOLDS**
USGS, Quaternary Faults and Folds Database
- BASE MAP**
ESRI (1992), Digital Chart of the World
IOC, IHO, and BODC (2003)
USGS, National Elevation Dataset (NED)
- NEWS SOURCES**

Seismic Hazard Map



- EXPLANATION**
- Seismic Hazard
 - 0.5 - 2% g
 - 2 - 4%
 - 4 - 8%
 - 8 - 16%
 - 16 - 32%
 - 32 - 64%
 - 64 - 128%
 - 128 - 151%
 - Faults (Recurrence Interval)
 - > 20,000 years
 - 20,000 - 10,001
 - 10,000 - 3,001
 - <= 3,000



DISCLAIMER
Base map data, such as place names and political boundaries, are the best available but may not be current or may contain inaccuracies and therefore should not be regarded as having official significance.

For more information about California earthquakes, go to the USGS Earthquake Hazards Program home page <http://earthquake.usgs.gov/regional/> and click on "US Earthquake Info by State"