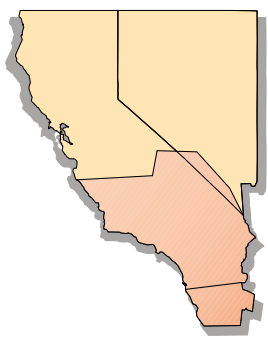


The Seismo-Watch Earthquake Report

Southern California April 11 - 17, 2002



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Produced by:

**Charles P. Watson
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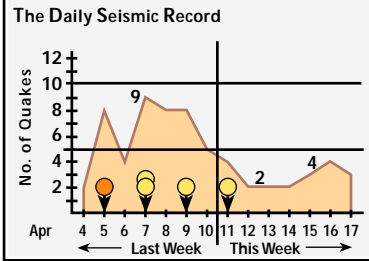
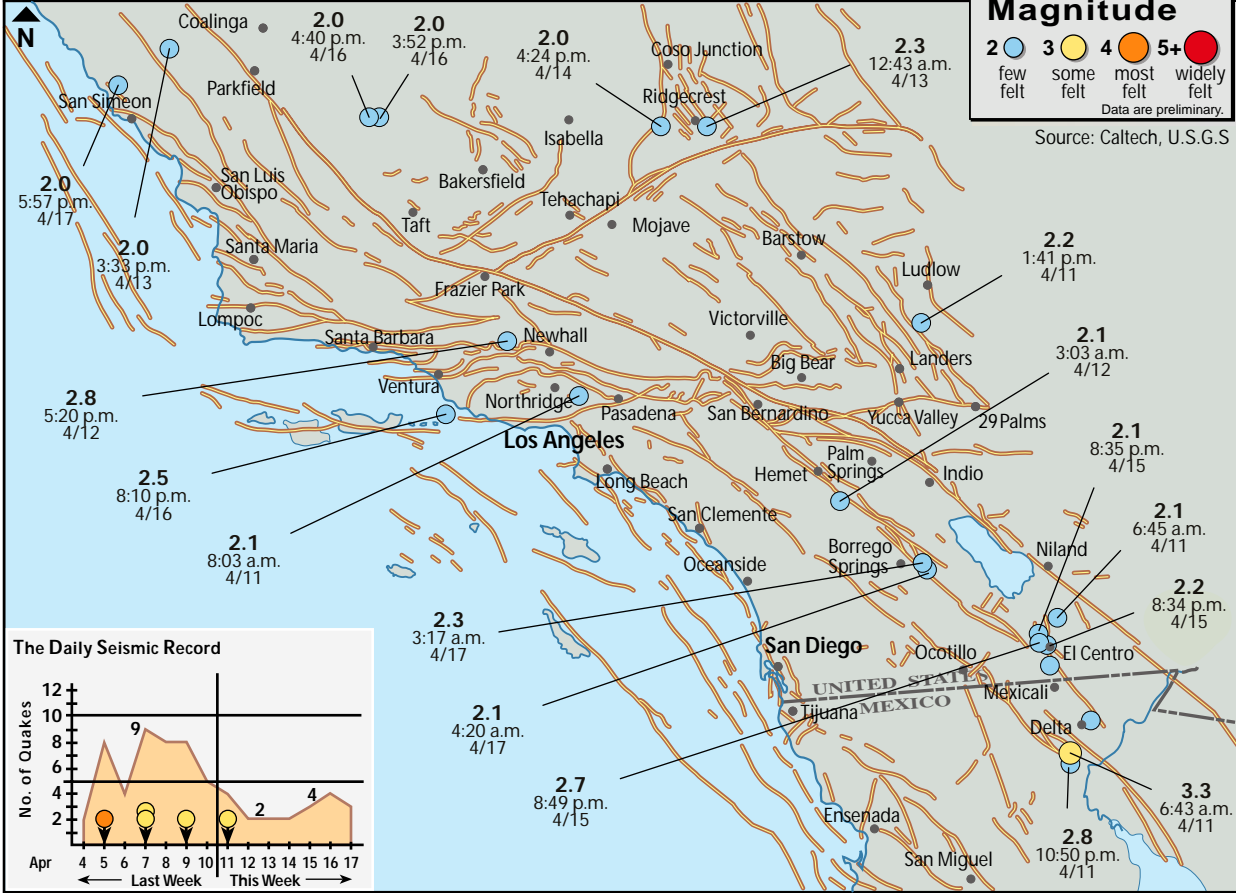
By Charles P. Watson, Chief Geologist

April 11 - 17, 2002

Magnitude



Source: Caltech, U.S.G.S



Magnitude M≥2	2	3	4+	Total
Regional	19	1	0	20
Last week	40	3	1	44

▼ The number of earthquakes measuring M 2.0 or stronger declined significantly, falling once again below the 30 quake per week mark – an elusive level seen only during the quietest seismic periods. Three sub 30 quake tallies have been recorded this year so far but only one happened last year and none occurred the year before, mostly because of the robust aftershock series following the Lavic Lake (Hector Mine) M 7.1

earthquake in October, 1999. This week's tally was the fewest since 15 tremors were recorded the week prior to the Sierra Cucupa M 5.7 earthquake in late February. ▼ The Lavic Lake (Hector Mine) aftershock zone was relatively quiet following last week's M4.4 earthquake, producing only one event in the M 2.0 range. Strangely, it was the only tremor in San Bernardino County except for a M2.3 located a few miles southeast of Ridgecrest and just inside the county line. ▼ A M 2.5 was detected off the coast of Ventura County near Oxnard, a M 2.8 was

recorded north of Fillmore in the Los Padres National Forest, and a M 2.1 happened in San Fernando Valley southwest of the Burbank Airport. ▼ Three tremors happened along the San Jacinto fault zone, the largest of two quakes in the Sierra Cucupa aftershock zone in Baja measured M 3.3 (the only M 3 of the week), and the strongest of five quakes in Imperial Valley measured M 2.7. ▼ A pair of M 2.0s were recorded in the Coast Range north of San Simeon and a couple quakes registering M 2.0 triggered in the southern San Joaquin Valley.

