

Northern Bay Area Earthquake Report

April 18 - 24, 2002

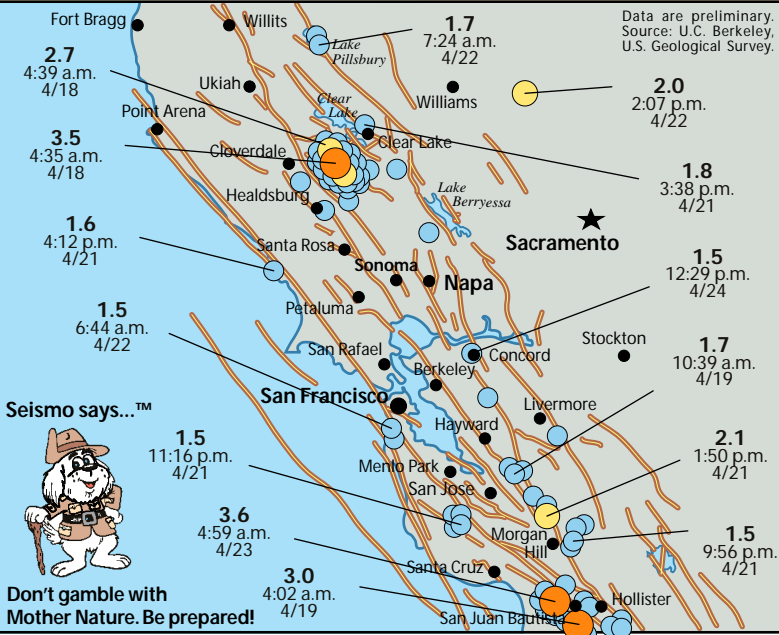
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By: Charles P. Watson, Chief geologist
Seismo-Watch, Inc.

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Data are preliminary. Source: U.C. Berkeley, U.S. Geological Survey.

Magnitude

- **4+** most felt
- **3** some felt
- **2** few felt
- **1** not felt

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Magnitude M ≥ 1.0	1	2	3+	Total
Regional	40	2	2	44
Last week	47	11	0	58
The Geysers	71	2	1	74
Last week	103	5	1	109

- Earthquake activity declined from the previous week, falling 14 events and back below the 50 quake per week mark. The intensity of regional seismicity changed, producing two quakes in the M 3.0 range, the first in five weeks, but only two M 2.0s, the least in several weeks.
- Tectonic action along the creeping segment of the San Andreas Fault near San Juan Bautista once again dominated the news, producing 26 events, including a couple of M 3.0s. The largest quake measured M 3.6 and occurred at a minute

before 5 a.m. on Friday morning, April 19, about two miles northwest of town close to where the fault crosses Highway 101. It jarred many people awake in the epicentral area and was felt as far away as Monterey and Sunnyvale, but was not strong enough to topple items from tables. Some said they felt a brief, sharp shudder of the ground. It was preceded about an hour earlier by a M 3.0 foreshocks a few miles southeast of town (felt?).

- The largest of two quakes along the San Francisco Peninsula near Pacifica measured M 1.5 and a temblor registering M 1.6 occurred along the Sonoma County coast near Ocean View – a continuation of last week's series?
- Seismicity at The Geysers relaxed below the 100 quake-per-week mark for the first time in three weeks. The largest quake measured M 3.5 and occurred at 4:35 a.m. on Apr. 18. It woke many nearby residents. The 5th M 3.0 event here this year.

