
Northern Bay Area Earthquake Report

June 13 - 19, 2002

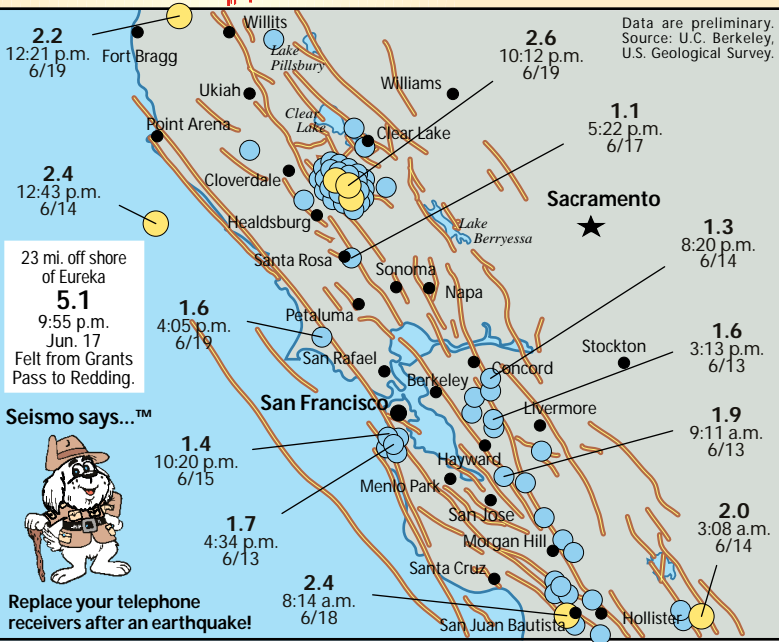
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**By: Charles P. Watson, Chief geologist
Seismo-Watch, Inc.**

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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	34	4	0	38
Last week	47	13	0	60
The Geysers	81	3	0	84
Last week	116	6	0	122

- At a few minutes before 10 a.m. on Monday, June 17, a moderate earthquake measuring M 5.1 occurred north of the map area. It was centered about 23 miles west of Eureka at a depth of 12 km and shook a wide area from Grants Pass, Oregon, to the northern Sacramento Valley. Buildings swayed, walls vibrated and windows rattled, but there were no reports of serious damage and no one was injured. Light items, like cereal boxes and paper towels, were knocked from retail shelves, but no glass items broke. Residents in Eureka said

there was one big jolt followed by a series of waves with sharp vibrations. Shaking lasted for 10-15 seconds and frightened many people, some ran into the street. Others said they had felt larger quakes, yet were impressed by the shaking intensity. There were no felt reports south of Garberville, which suggests a directivity of the fault rupture. Analysis indicated strike-slip motion along a northeast-southwest trending plane with the rupture probably progressing to the northeast.

- A M 2.4 stuck off the coast of Fort Ross, a rare M 1.6 tremor occurred along the San Andreas Fault near Inverness, and the on-again-off-again activity near Pacifica continued with six more quakes.
- Seismicity at The Geysers relaxed from its record high tally last week, falling back to the mid 80 quake-per-week level. Less than 4% of the activity registered in the M 2.0 range and nothing measured stronger than M 2

Regional seismic record

