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# Northern Bay Area Earthquake Report

**January 16 - 22, 2003**

Seismo says...™

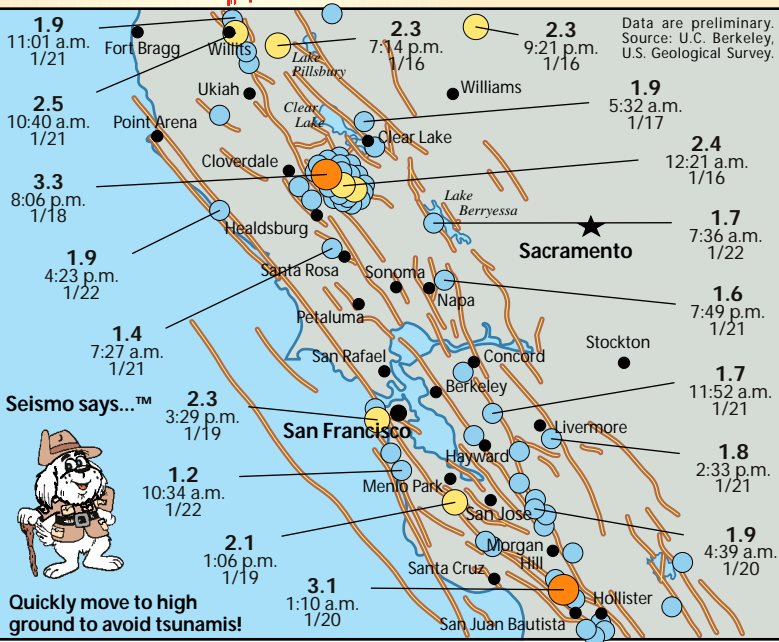


Quickly move to high  
ground to avoid tsunamis.

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

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### Magnitude

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

By:  
**Charles P. Watson**  
*Chief geologist*  
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 Need more information about earthquakes or earthquake preparedness?

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Magnitude M ≥ 1.0	1	2	3+	Total
<b>Regional</b>	<b>37</b>	<b>5</b>	<b>1</b>	<b>43</b>
Last week	30	9	1	40
<b>The Geysers</b>	<b>57</b>	<b>2</b>	<b>1</b>	<b>60</b>
Last week	33	4	0	37

- ▼ The number of regional earthquakes remained about the same as the previous week. The intensity of seismicity dropped as well, producing six quakes registering M 2.0 or stronger.
- ▼ The largest earthquake measured M 3.3 and occurred at 8:06 p.m. Saturday, Jan. 18, in The Geysers geothermal area. It was centered about half way between the old Geysers Resort and Cobb Mountain, and on the ridge between Big Sulphur and Squaw Creeks, in the heart of the geothermal production field. The focal depth was 4.7 km and

the type of fault slip was normal, or down and away, along a northeast-southwest trending plane. The quake was sharply felt in the neighboring communities, such as Anderson Springs, Cobb Mountain and Middle-town, and as far away as Napa. Local residents said they heard a loud bang that startled some and scared a few, which was then followed by sharp ground shudders that rattled windows and shook pictures on walls. A few light items were knocked from tables and shelves but beside the stressed nerves, there were no reports of any serious damage. This was the first M 3.0+ "geothermal-quake" in The Geysers in 2003. Sixteen were recorded last year, only two of which occurred in the last four months.

- ▼ A M 3.1 occurred in the wee hours of the morning on Jan. 20 about three miles southwest of Gilroy in the Gilroy aftershock zone. It was sharply felt at Gilroy and Watsonville and as far away as Seaside.

