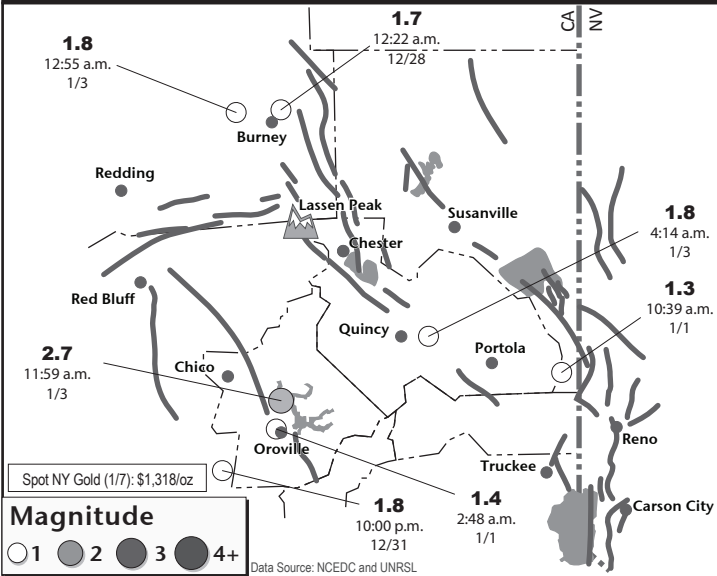


# Earthquake Report

December 28 - January 3

By: Charles P. Watson, California Professional Geologist No. 7818



| Magnitude $M \geq 1$ | 1        | 2        | 3+       | Total    |
|----------------------|----------|----------|----------|----------|
| <b>Regional</b>      | <b>6</b> | <b>1</b> | <b>0</b> | <b>7</b> |
| Previous week        | 7        | 3        | 0        | 10       |

- The number of earthquakes registering M 1.0 or larger declined from the previous week, falling below the 10 quake-per-week mark for the first time in eight weeks and to its lowest level since June.
- The intensity of seismicity decreased as well, producing one quake in the M 2 range - the fewest since mid October.
- The largest earthquake measured M 2.7 and occurred thirty two seconds before noon on Wednesday, January 3, a couple miles north of Oroville under the north arm

of Lake Oroville. It was centered less than a mile below the surface. Several people felt the quake, startling some and causing hanging plants to swing, windows to jiggle, and dogs to bark. A few reported noises, like an explosion and earthy groans. It is unlikely it was related to the filling of the dam because there just hasn't been that much runoff to fill the reservoir yet. Earlier in the week and on January 1 was a M 1.4 tremor just west of town. Also, a M 1.8 was detected on New Years Eve southeast of Oroville in the Sacramento Valley.

- A M 1.8 jolt was recorded east of Quincy and the largest of two quakes near Burney also measured M 1.8. Curiously, no activity was measured in northwest Nevada.

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