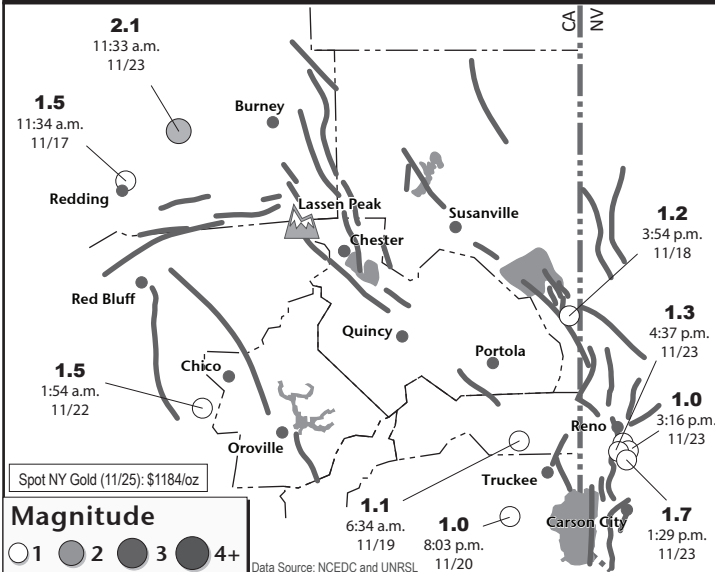


# Earthquake Report

November 17 - 23, 2016

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



| Magnitude $M \geq 1$ | 1        | 2        | 3+       | Total     |
|----------------------|----------|----------|----------|-----------|
| <b>Regional</b>      | <b>9</b> | <b>1</b> | <b>0</b> | <b>10</b> |
| Previous week        | 13       | 2        | 0        | 5         |

- Although the number of earthquakes doubled from the previous week, the activity was still fairly weak as only 10 events were recorded. The increase avoided back-to-back weeks at the single-digit level - something that hasn't occurred since February and the time before that was in September 2015.
- The intensity of seismicity remained relaxed as only one quake registered in the M 2 range. It has been five weeks since more than three M 2s were recorded.

- The largest earthquake measured M 2.1 and occurred at 11:33 a.m. on Wednesday, November 23, northeast of Redding and in the Squaw Creek Arm of Lake Shasta.
- A sequence of four small quakes was recorded on Wednesday, November 23 south of Reno in the south Truckee Meadows. The largest measured M 1.7 and they occurred in the same area as a swarm in December last year.
- A small M 1.2 tembler was detected a few miles east of Doyle in Long Valley. The quake appears to have triggered east of the Honey Lake Fault and likely on the Fort Sage Fault. This fault ruptured with a M 5.6 earthquake in 1950 and is capable of earthquakes in the M 7 range.

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