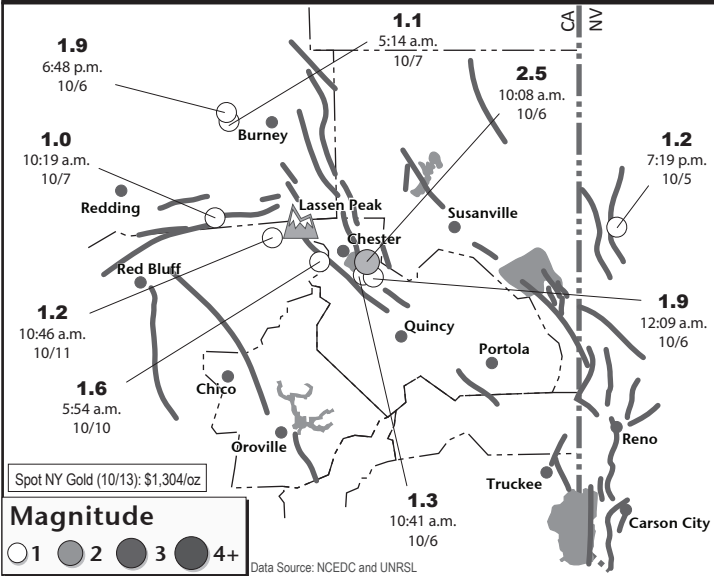


Earthquake Report

October 5 - 11, 2017

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



Magnitude $M \geq 1$	1	2	3+	Total
Regional	8	1	0	9
Previous week	12	1	0	13

- The number of earthquakes declined from the preceding week and fell below the 10 quake-per-week mark for the first time in 15 weeks and since the week prior to the Truckee M 4.0 and M 4.1 earthquakes on June 27. Earthquake activity has been consistently between 10-18 earthquake during that 15-week period, except for one time in late July when it shot up to 22 events.
- The intensity of seismicity remained relaxed as only one quake registered M 2.0

or stronger. It was the third straight week of only one M 2 event - rather unusual because there were 13 straight weeks before that when between 2-18 quakes measured M 2.0 or stonger, including four M 3s and two M 4s.

■ When was the last large earthquake here? The Canyon Dam M 5.7 earthquake on May 23, 2013 comes to mind, but that was only a moderate quake. There have been 7 quakes measuring M 6.0+ since 1850, including one M 7.0 - Carson Valley 1860. The last was the Truckee M 6.0 quake in 1966 - 51 years ago. In 1966, the frequency of M6+ quakes was every 16 years. Now it is every 24 years. Still, twice the average time period between events.

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