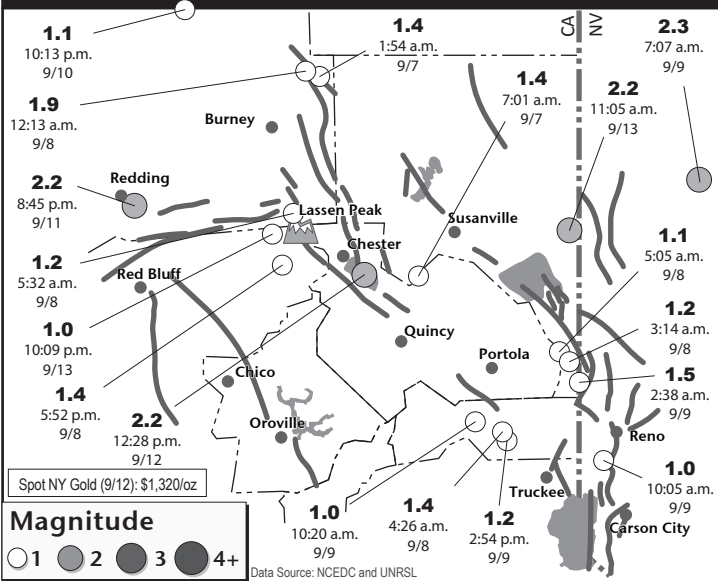


Earthquake Report

September 7 - 13, 2017

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



Magnitude $M \geq 1$	1	2	3+	Total
Regional	14	4	0	18
Previous week	13	2	0	15

■ The number of earthquakes increased from the previous, rising to the upper teens and to its highest level in six weeks. Activity has topped the 20 quake-per-week mark only twice this year and that streak continued as far back as the last week of October of last year. This 46-week relaxed period of seismicity has been notable, as 10 weeks have posted single-digit earthquake tallies and during six separate weeks, no activity measured M 2.0 or stronger. But while the frequency has been

lagging, the intensity of activity has been increasing as more M 2+ activity has been happening in the last 12 weeks than the previous 12 week period. The change point is around the June 26 Truckee M 4.1 and M 4.0 quakes time period. Twelve weeks before that date, 15 earthquakes measured M 2.0 or stronger, including one on the M 3 range. Since that week, 43 have been recorded, including two M 3s. This does not include the week of the Truckee earthquakes, which saw two M 4s, one M 3 and 15 M 2s. Nobody can predict earthquakes but we can look at trends and be aware of these small and imperceptible changes, and maybe, just maybe, heed the signs of nature and take measures to be prepared.

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