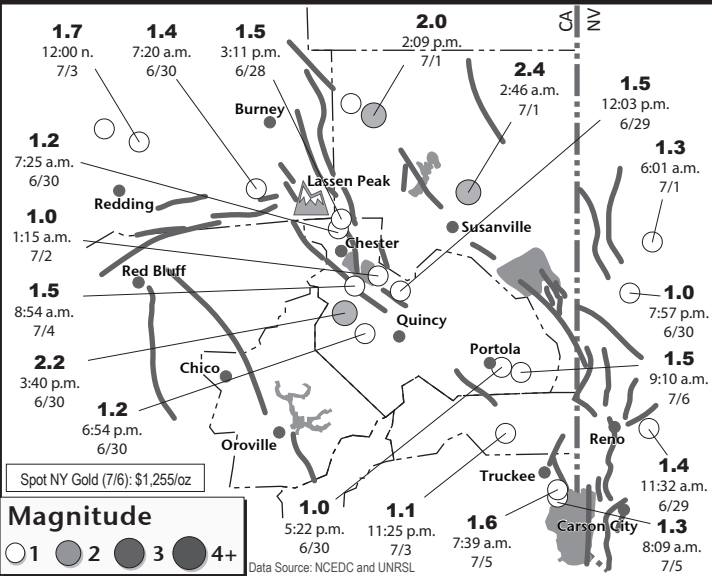


Earthquake Report

June 28 - July 4, 2018

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



| Magnitude $M \geq 1$ | 1 | 2 | 3+ | Total |
|----------------------|-----------|----------|----------|-----------|
| Regional | 18 | 3 | 0 | 21 |
| Previous week | 11 | 2 | 0 | 13 |

- It was another active week as the number of earthquakes once again topped the 20 quake-per-week mark. It was the fourth time in eight weeks and the ninth time this year that 20 or more earthquakes had been recorded. Only four weeks were recorded all of last year.
- The intensity of seismicity remained about average, recording three quakes measuring M 2.0 or stronger. Only one week this year has failed to produce any M 2.0+ quakes. Five quakes in the M 3

range have been recorded this year. This compares to nine in all of last year, two of which measured in the M 4 range.

- The largest earthquake measured M 2.4 and occurred at 2:46 a.m. Sunday, July 1, about 10 miles north of Susanville in Willow Creek Valley. There are a few north-west trending faults that course through the valley and trend up to Eagle Lake. None of them have been dated or evaluated yet. Also in Lassen County was a pair of quakes in Dixie Valley near Bald Mountain, the largest of which measured M 2.4.
- Two quakes measuring M 1.5 and M 1.2 were recorded north of Chester near Benner Creek Campground. They occurred on the Almanor fault zone.

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