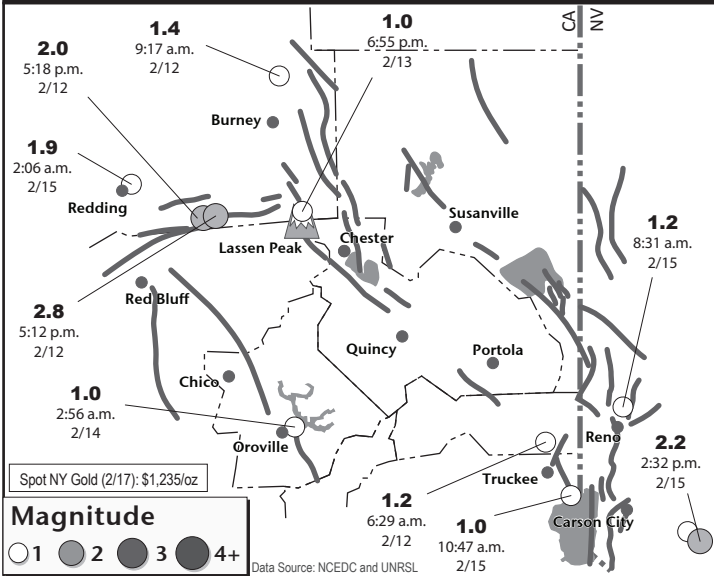


Earthquake Report

February 9 - 15, 2017

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



Magnitude M≥1	1	2	3+	Total
Regional	8	3	0	11
Previous week	11	2	0	13

- The number of earthquakes remained about the same as the previous week, falling by two and posting 11 events. Activity has remained between 11–14 events for four straight weeks.
- The intensity of seismicity increased, recording three events registering M 2.0 or stronger – the most in five weeks.
- The largest earthquake registered M 2.8 and occurred at 5:12 p.m. Sunday, February 12, south-southeast of Redding between Shingletown and Mantion. It was

following six minutes later by a M 2.0 jolt. The quakes triggered along the Battle Creek fault zone, one of the few northeast-southwest fault zones in California. Felt?

- A small quake measuring M 1.0 occurred on February 14, Valentines Day, within a mile of the Oroville Dam. The tremor occurred along the Cleveland Hills fault zone, which was responsible for a slurry of quakes that lead up to the 1975 Oroville M 5.7 earthquake. Studies have shown a relationship between filling and draining of the massive reservoir. After four years of drought and low reservoir levels, and the rapid filling from this years heavy storms, some are speculating that we may see a resurgence of seismicity near the dam.

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