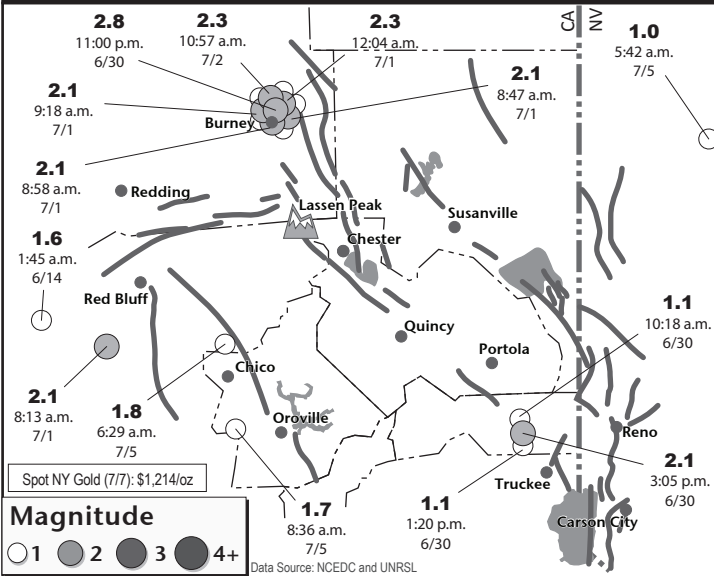


Earthquake Report

June 29 - July 5, 2017

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



Magnitude $M \geq 1$	1	2	3+	Total
Regional	11	8	0	19
Previous week	21	15	3	39

■ Earthquake activity remained elevated following last week's Truckee M 4.0 and M 4.1 earthquakes, nearly reaching the 20 quake-per-week mark. The intensity of seismicity remained elevated as well as 8 earthquakes measured in the M 2.0 range.

■ Last week's Truckee earthquakes were first M 4+ earthquakes to strike the region since the triple-M 4 Herlong sequence in August 2016. They happened on June 27 about 11 miles northwest of Truckee and 8 miles west of Highway 89 in the Little

Truckee Meadows River drainage, at Perazzo Meadows. The focal depths were 4-5 miles below the surface and the types of fault motions were strike-slip with a slight up-down component. The first quake measured M 4.0 and occurred at 2:02 a.m. and the next one measured M 4.1 and occurred at 2:09 a.m. They were followed by 28 aftershocks, including a M 3.2 at 5:14 a.m. that same morning and 9 M 2s. Three aftershocks happened this week, all on June 30 and none have occurred since.

■ Driving the activity this week as an 11-event sequence about 7 miles northeast of Burney near the 299/89 Highway junction. Six quakes registered in the M 2 range with the largest measuring M 2.8.

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