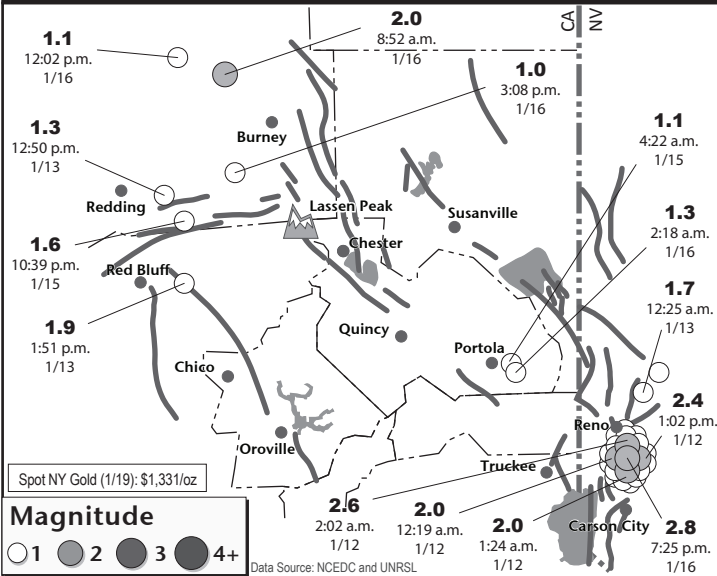


Earthquake Report

January 11 - 17, 2018

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



Magnitude $M \geq 1$	1	2	3+	Total
Regional	48	6	0	54
Previous week	9	2	0	11

■ A robust earthquake sequence was recorded south of Reno on the southern margins of the Truckee Meadows, at the Steamboat Springs geothermal area. The sequence began on Thursday, January 11 and steadily progressed through the week, finally waning on Monday with last sputter on Tuesday. In all, about 45 earthquakes registered M 1.0 or greater but fortunately only five measured in the M 2 range with the largest topping out at M 2.8. Some of the larger quakes were felt as mild ground

shudders and nothing was reported to have toppled from tables or shelves. The activity forming a tight cluster centered at the geothermal field and first speculations were that they were caused by the injection of wastewater from the geothermal power plant. Some doubt may be cast on that after focal points of the tremors were shown to be between 3 and 5 miles below the surface. Further data crunching may resolve what may have really caused the sequence.

■ Elsewhere activity was spotty, with a couple events here and there and a few along the eastern extent of the Sacramento Valley. The largest measured M 2.0 and happened northwest of Burney.

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