



**Brief Western Great Basin
Earthquake Report**

July 25 - 31, 1999

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**By: Charles P. Watson
Advanced Geologic Exploration, Inc.**

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Earthquakes for week of
July 25 - 31, 1999

Magnitude $M \geq 1.0$	1	2	3+	Total
Regional	18	11	3	32
Mammoth Lakes Region	58	9	0	67
This Week	74	20	3	99
Previous week	100	25	2	127

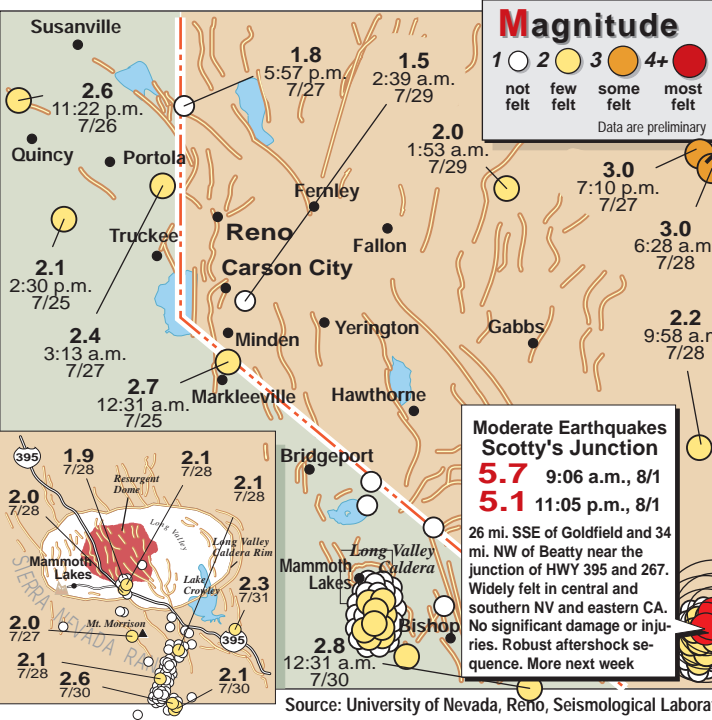
▼ **Regional Activity:** It began at last week with a single M2 event between Goldfield and Beatty, near Scotty's Junction (the intersection of Highways 395 and 267 or the Scotty's Castle Road). Then on Friday night, July 30, a couple more M2's triggered. It was at 9:17 p.m. July 31 when a M3.9 temblor jolted the area and began the tectonic cascade. A dozen or so more tremors occurred during the next 12 hours when suddenly, at 9:06 a.m. Sunday, August 1, the ground shook with a moderately strong **M5.7** earthquake that was felt as far away as Las Vegas, Eureka, Fallon and Mammoth Lakes. Vigorous shaking in the local area tossed items from shelves but caused no significant damage. It was followed by a robust aftershock sequence that included a **M5.1** at 11:05 p.m.

By **Charles P. Watson**, consulting geologist
Advanced Geologic Exploration, Inc.

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Magnitude



Moderate Earthquakes Scotty's Junction

5.7 9:06 a.m., 8/1
5.1 11:05 p.m., 8/1

26 mi. SSE of Goldfield and 34 mi. NW of Beatty near the junction of HWY 395 and 267. Widely felt in central and southern NV and eastern CA. No significant damage or injuries. Robust aftershock sequence. More next week



Source: University of Nevada, Reno, Seismological Laboratory; NBMG; USGS. See the expanded WGB Earthquake Report.