



Seismo-Watch

Earthquakes for week of
October 5 - 11, 1997

	1-2	2-3	3+	Total
Regional	7	3	1	11
Mammoth Lakes Region	445	46	2	493
This Week	453	46	2	505
Previous week	328	46	1	375

▼ **Mammoth Lakes Region:** Activity rose to its highest and most intense level since the robust earthquake swarms began back in mid July. Nearly 500 tremors were recorded, including 46 M2's and a pair of M3's. The activity was centered about 2-4 mi. E of Mammoth Lakes and just south of the HWY 395/203 junction, at depths of 4 -7 km or near the boundary between the crystalline cap and the Long Valley magma chamber. Vigorous low magnitude earthquake swarms like these are believed to indicate 1 of 3 things: small tectonic movements within the crystalline cap, percolation of hydrothermal fluids or magmatic gasses in fractures, or least likely, magma injection.

▼ **Regional Activity:** A M3.5 occurred near the southern boundary of the Nevada Test Site.

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To receive this or other global or regional earthquake reports by fax or mail, contact:

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Source: University of Nevada, Reno, Seismological Laboratory; NBMG; USGS.