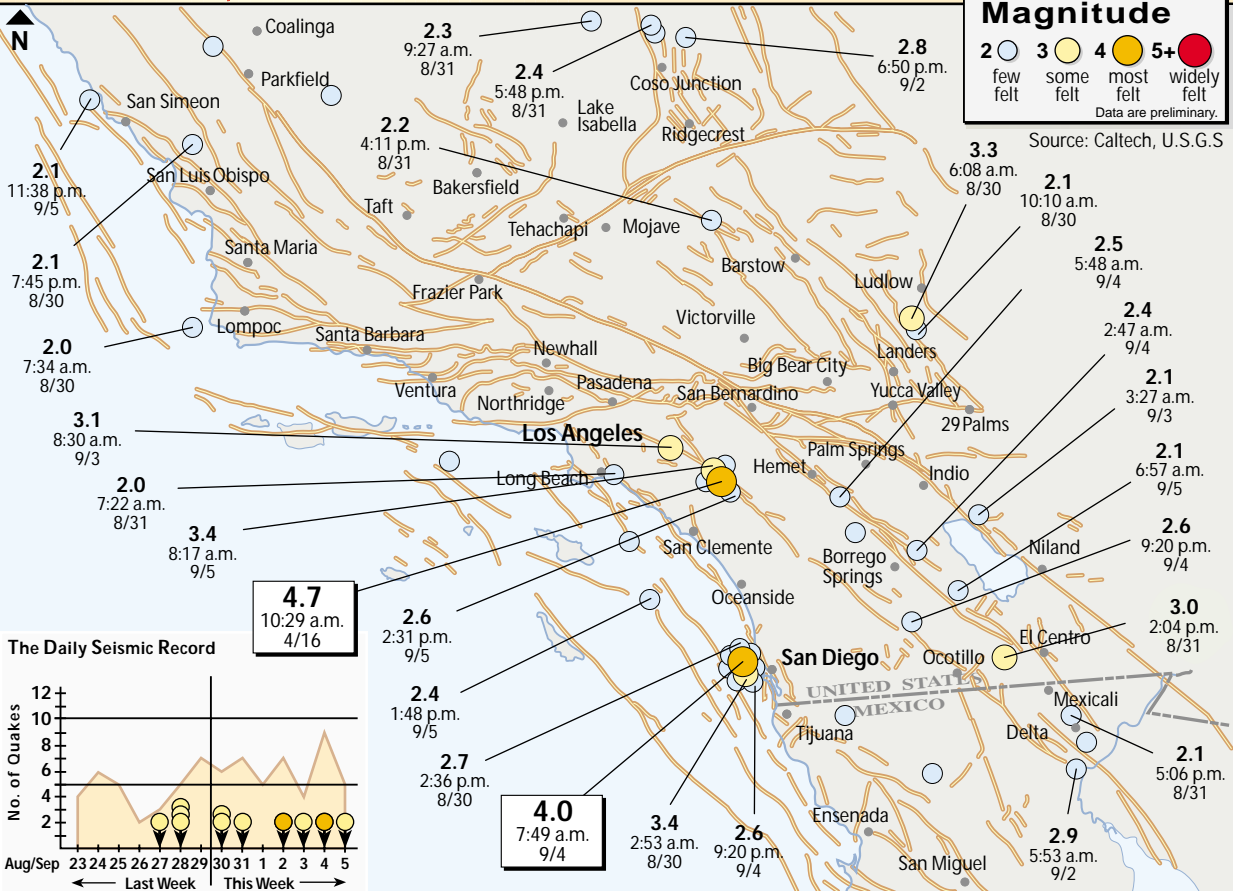


Seismo-Watch

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

Aug. 30-Sep. 5, 2007



Magnitude M>2	2	3	4+	Total
Regional	36	5	2	43
Last week	28	4	0	32

▼ The number of earthquakes increased sharply, topping the 40 quake-per-week mark for the first time in four weeks and only the second time in over four months. The intensity of seismicity jumped as well as seven quakes registered M 3.0 or stronger, including two in the M 4.0 range.

▼ Local residents said it hit with a wham but others farther away said they felt a sharp jolt that passed fairly quickly. The M

4.7 earthquake hit at 10:29 a.m. Sunday morning three miles east of Santiago Peak along the eastern flank of the Santa Ana Mountains in Temescal Valley. The focal depth was 7.8 miles and the type of fault motion was mostly reverse (high-angled thrust) along a east-west trending plane. Although close to the Elsinore Fault, it probably occurred along a nearby and perpendicular fault splay. Not including action in Baja, it was the largest earthquake in Southern California since a M 5.1 hit the eastern shore of the Salton Sea on September 2, 2005. Four aftershocks mea-

sured M 2.0 or stronger, the largest of which registered M 3.4 and struck three days later. Orange County was shaken again Monday morning by a M 3.1 centered at Yorba Linda. It was widely felt. ▼ At 7:49 a.m. on Tuesday morning, a M 4.0 temblor occurred eight miles southwest of La Jolla in the Pacific Ocean. It was widely felt in San Diego and southern Orange Counties. It was preceded by two foreshocks, the largest of which registered M 3.4, and followed by six aftershocks, all of which registered in the M 2.0 range. ▼ A M 3.3 triggered on the High Desert.

Weekly seismic record

