

## **Epicenter of the bridge duct**



### **Overview**

The epicenter was near Loma Prieta, which is a peak in the Santa Cruz mountains. A strong-motion seismograph gave an acceleration reading of 0. The shock was centered in The Forest of Nisene Marks State Park in Santa Cruz County, approximately 10 mi (16 km) northeast of Santa Cruz on a section of the San Andreas Fault System and on Interstate Route 880 in Oakland; 42 people were killed. A section of the Bay Bridge connecting San Francisco and Oakland also collapsed, resulting in one death. After. During the quake, a double-deck section of the Nimitz Freeway (called the Cypress Street Viaduct) collapsed, killing 42 people, part of the Bay Bridge collapsed, killing one person, and many buildings in both Oakland and San Francisco crumpled. It had a moment magnitude of 6. The duration was 15 to 20 seconds. The Nimitz Freeway, in Oakland, California, United States, experienced catastrophic damage during the 1989 Loma Prieta Earthquake.

## Epicenter of the bridge duct



Although a strong earthquake, it was centered about 60 miles south of San Francisco in Santa Cruz County, meaning that the bulk of the destructive force was centered on the sparsely populated and ...



Tobin and his peers had just experienced the magnitude-6.9 Loma Prieta earthquake, eight miles (13 kilometers) from its epicenter. With power out all over Santa Cruz, the students ...



From that quake, new design criteria were developed to strengthen columns and special priority was given to a retrofit program to prevent collapse by securing bridge decks to their support columns ...



A large section of the Cypress Freeway in Oakland collapsed, as did a portion of the Bay Bridge. And in San Francisco, a fire broke out in the Marina district and several buildings collapsed



The epicenter was near Loma Prieta, which is a peak in the Santa Cruz mountains. This location is 10 miles northeast of the city of Santa Cruz. A strong-motion seismograph gave an acceleration reading ...



On Oct. 17, 1989, part of the Bay Bridge and freeways collapsed, houses burned, massive power failures happened and strong aftershocks took over. The magnitude-6.9 earthquake hit at exactly 5:04...



On October 17, 1989, the central coast of California experienced the Loma Prieta earthquake, the most damaging since the 1906 San Francisco earthquake. The Nimitz Freeway, in Oakland, California, ...



On October 17, 1989, at 5:04 p.m. PST, the Loma Prieta earthquake occurred on the Central Coast of California.



It sent seismic waves from its origin in the Santa Cruz Mountains to San Francisco, the East Bay and beyond. The 20 seconds of shaking knocked down part of the Bay Bridge, collapsed a ...



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