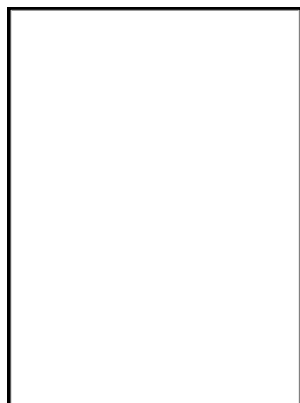


# Fault-rupture hazard zones in California - Alquist-Priolo Special Studies Zones Act of 1972, with index to special studies zones maps

California Dept. of Conservation, Division of Mines and Geology - Fault hazard zones in California : Alquist



Description: -

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Earthquake resistant design -- Safety regulations -- California.  
Zoning law -- California. Fault-rupture hazard zones in California -  
Alquist-Priolo Special Studies Zones Act of 1972, with index to  
special studies zones maps

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42.

Special publication (California. Division of Mines and Geology) ;  
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Special publication ; Fault-rupture hazard zones in California - Alquist-  
Priolo Special Studies Zones Act of 1972, with index to special  
studies zones maps

Notes: Includes bibliographical references.

This edition was published in 1992



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Tags: #Fault #hazard #zones #in #California #: #Alquist

## Fault hazard zones in California : Alquist

These hazard maps form the basis of the probabilistic component of the design maps used in the 1997 edition of the NEHRP Recommended Provisions for Seismic Regulations for New Buildings and Other Structures.

## Alquist Priolo Special Studies Zone Act

These changes are intended to reduce the damage from future earthquakes. The counties are: San Diego, Riverside, Orange, San Bernardino, Ventura, Los Angeles, and Santa Barbara.

## Fault hazard zones in California : Alquist

When that happens, they are treated the same as new construction a geologic investigation must be undertaken and the hazard mitigated before a building permit can be issued. However, local agencies can be more restrictive than state law requires.

## Active, capable, and potentially active faults — a paleoseismic perspective

For example, the , a large school complex in was complicated by the discovery of a surface fault on the property in 2002. The place where the blocks meet is called a fault, and faults tend to show up as relatively straight lines on maps. These maps include both the best known location where faults cut the surface and a buffer zone around the known trace s ; 2 It requires property owners or their real estate agents to formally and legally disclose that their property lies within the zones defined on those maps before selling the property; and 3 It prohibits new construction of houses within these zones unless a comprehensive geologic investigation shows that the fault does not pose a hazard to the proposed structure.

## **Fault hazard zones in California : Alquist**

Full name Alquist-Priolo State Special Studies Zone Act Status Passed Signed into law December 22, 1972 Sponsor s and Public Resources Code SB 520 Associated bills Amended 1974, 1975, 197, 1979, 1991, and 1993 Website The Alquist-Priolo Earthquake Fault Zoning Act was signed into on December 22, 1972 to mitigate the hazard of surface faulting to structures for human occupancy. A fault is a fracture or zone of fractures between two blocks of rock.

### **Active, capable, and potentially active faults — a paleoseismic perspective**

The law requires the California State Geologist to establish regulatory zones known as Earthquake Fault Zones around the surface traces of active faults and to issue appropriate maps.

### **Active, capable, and potentially active faults — a paleoseismic perspective**

The was required to remove a building that had been built directly atop the fault prior to its discovery. .

### **Active, capable, and potentially active faults — a paleoseismic perspective**

This movement may occur rapidly, in the form of an earthquake - or may occur slowly, in the form of creep.

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