EARTHQUAKE SHAKING POTENTIAL MAP FOR PORTIONS OF EASTERN CALIFORNIA AND WESTERN NEVADA

2005

This map shows the relative intensity of ground shaking and damage in parts of California and Nevada from anticipated future earthquakes. Although the greatest hazard is in the areas of highest intensity as shown on the map, no area within the region is immune from potential earthquake damage.

- The landscape of the area shown on the map has been significantly shaped by faulting and erosion. These processes are still active today.
- A large earthquake in or near a major urban center will disrupt the economy of the entire region. Effective disaster planning by state and local agencies, and by private business, can dramatically reduce losses and speed recovery.
- Current building codes substantially reduce the costs of damage from earthquakes, but the codes are intended only to prevent widespread loss of life by keeping buildings from collapsing, not to protect buildings from damage.
- After a large earthquake, residents and businesses may be isolated from basic services, fire and emergency support for a period ranging from several hours to a few days. Citizens must be prepared to survive solely on their own, and to help others, until outside help arrives.
- Maps of shaking intensity after the next major earthquake will be available within minutes on the Internet. The maps will be available at http://quake.ca.gov/quake/shake.html, or at http://quake.sate.ca.gov/quake/shake for northern California and at http://quake.sate.nv.gov/quake/shake for Nevada. The maps will help identify areas most seriously affected and will help guide emergency crews to the most damaged regions.

Level of Potential Shaking

These regions are near major, active faults and will experience strong ground motion and shaking most frequently. The shaking will cause damage to strong, modern buildings.

References Used


DEM base map by U.S. Geological Survey

Compensated by J. Raymond, CSSC.