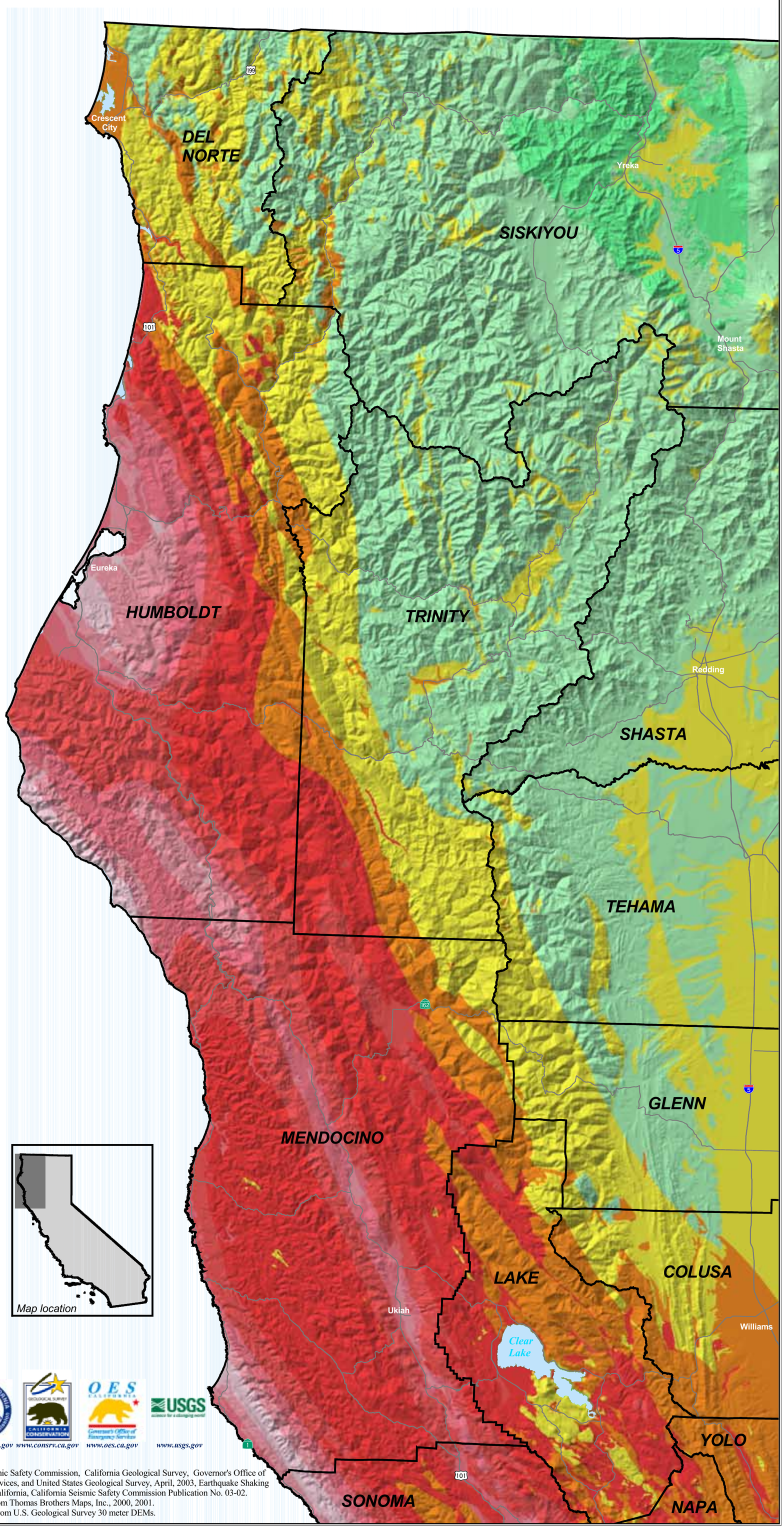
Earthquake Shaking Potential for the North Coast Region

Counties

Summer, 2003

This map shows the relative intensity of ground shaking and damage in the North Coast Region from anticipated future earthquakes.



Important messages about earthquakes for the North Coast:

- **Earthquakes have produced over $55 billion in losses in California since 1971. The next large earthquake may produce even greater losses, especially if it affects a major urban area. If the Northridge or Loma Prieta earthquakes had occurred closer to a major population center, fatalities would have been much higher.**
- **A large earthquake in or near the North Coast will disrupt the economy of the entire State and much of the nation. Effective disaster planning by State and local agencies, and by private businesses, can dramatically reduce losses and speed recovery. (For information go to www.oes.ca.gov or www.seismic.ca.gov)**
- **Current building codes will reduce damage but their objective is life safety, not continued operation of the facility.**
- **After a large earthquake, residents and businesses may be isolated from basic police, fire, and emergency support for a period ranging from several hours to a few days. Citizens must be prepared to survive safely on their own, and to aid others, until outside help arrives. (For information go to www.oes.ca.gov)**
- **Maps of the shaking intensity after the next major earthquake will be available within minutes on the Internet. The maps available at http://www.cisn.org/shakemap, a cooperative effort of OES, CGS, USGS, Caltech and UC Berkeley, will help identify the areas most seriously affected and will guide emergency crews to the most damaged regions.**

Level of Earthquake Hazard

These regions are near major, active faults and will on average experience stronger earthquake shaking more frequently. This intense shaking can damage even strong, modern buildings.

Increasing intensity

These regions are distant from known, active faults and will experience lower levels of shaking less frequently. In most earthquakes, only weaker, masonry buildings would be damaged. However, very infrequent earthquakes could still cause strong shaking here.

County boundaries

Highways

Water

N W E S

0 5 10 Miles

0 5 10 Kilometers

www.seismic.ca.gov *www.consrv.ca.gov* *www.oes.ca.gov* *www.usgs.gov*

Data Sources:
Califonia Seismic Safety Commission, California Geological Survey, Governor's Office of Emergency Services, and United States Geological Survey, April, 2003, Earthquake Shaking Potential for California, California Seismic Safety Commission Publication No. 03-02.
Major roads from Thomas Brothers Maps, Inc., 2000, 2001.
Shaded relief from U.S. Geological Survey 30 meter DEMs.