Irregularly spaced contours are at intervals of 2°, 5°, 10°, 15°, 20°, 30°, 40°, 60°, 80°, 100°, 200°, and 300°. In a few locations supplemental contours are provided. Supplemental contours, if included, are always labeled. Spot values are included to supplement contours.

Contour variation with distance is rapid and complex in California, particularly near major faults and coastal regions. More detailed maps should be used when information is required in these areas.

The dashed curvilinear north-south line labeled “Attenuation Boundary” is the approximate division between western seismic source zones, modeled with Joyner and Boore’s 1982 attenuation for soil, and eastern seismic source zones, modeled with Boore and Joyner’s 1991 attenuation for soil.

Figure B1. 1994 contour map of the 5 percent damped, 0.3 second pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 50 years. The map values include estimates of variability in the attenuation of spectral acceleration and in fault rupture length.