APPENDIX D
NATIONAL EARTHQUAKE HAZARD REDUCTION PROGRAM SPECTRAL ACCELERATION MAPS

NOTES

1. Irregularly spaced contours are at intervals of 2, 5, 7.5, 10, 15, 20, 30, 40, 60, 80, 100, 200, and 300 percent g. In a few locations, supplemental contours are provided. Supplemental contours, if included, are always labeled. Spot values are included to supplement contours.

2. 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.

3. 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.

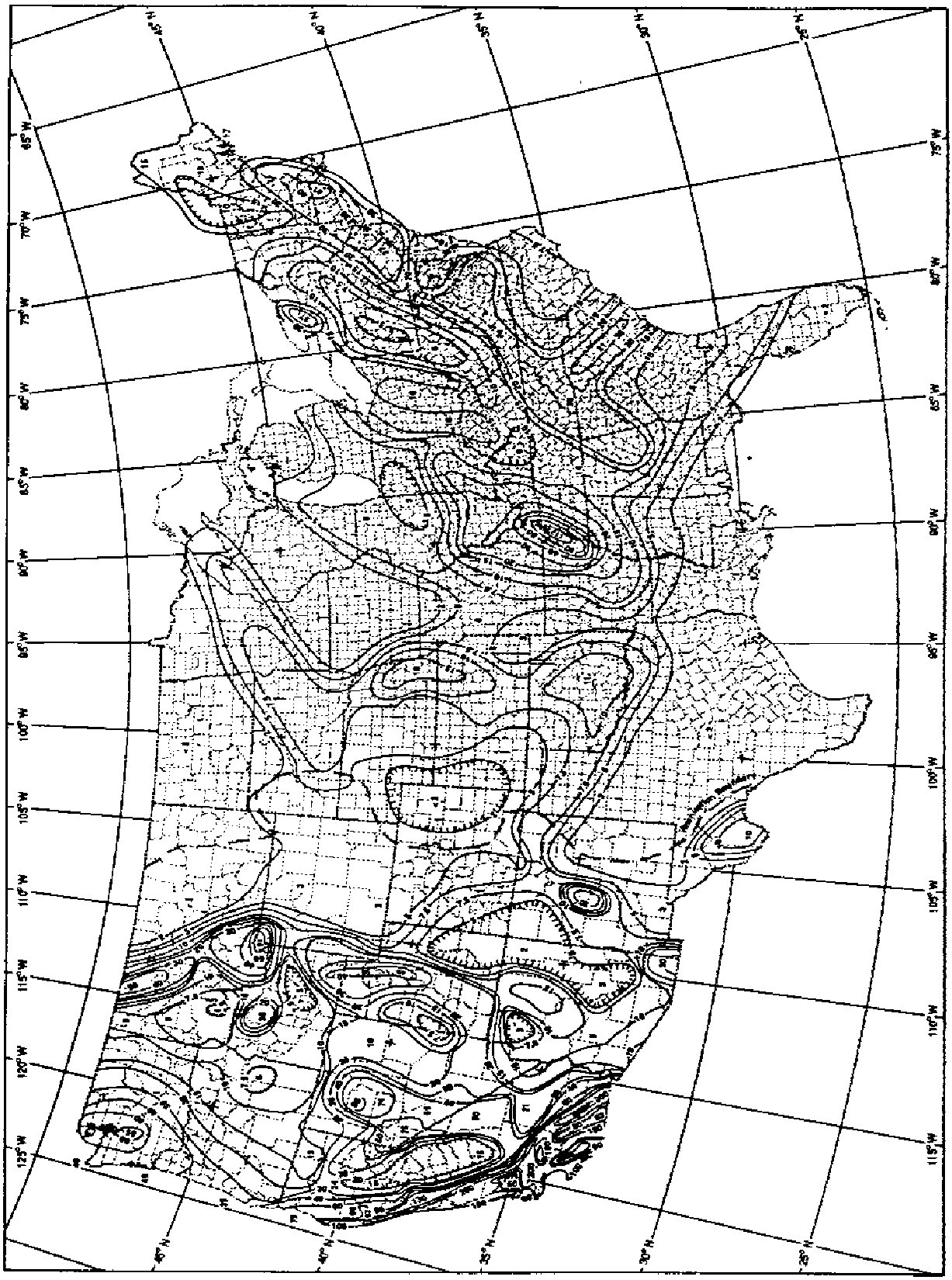

Figure D-1. 1991 U.S. Geological Survey (USGS) map of the 5-percent damped, 0.3-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 50 years

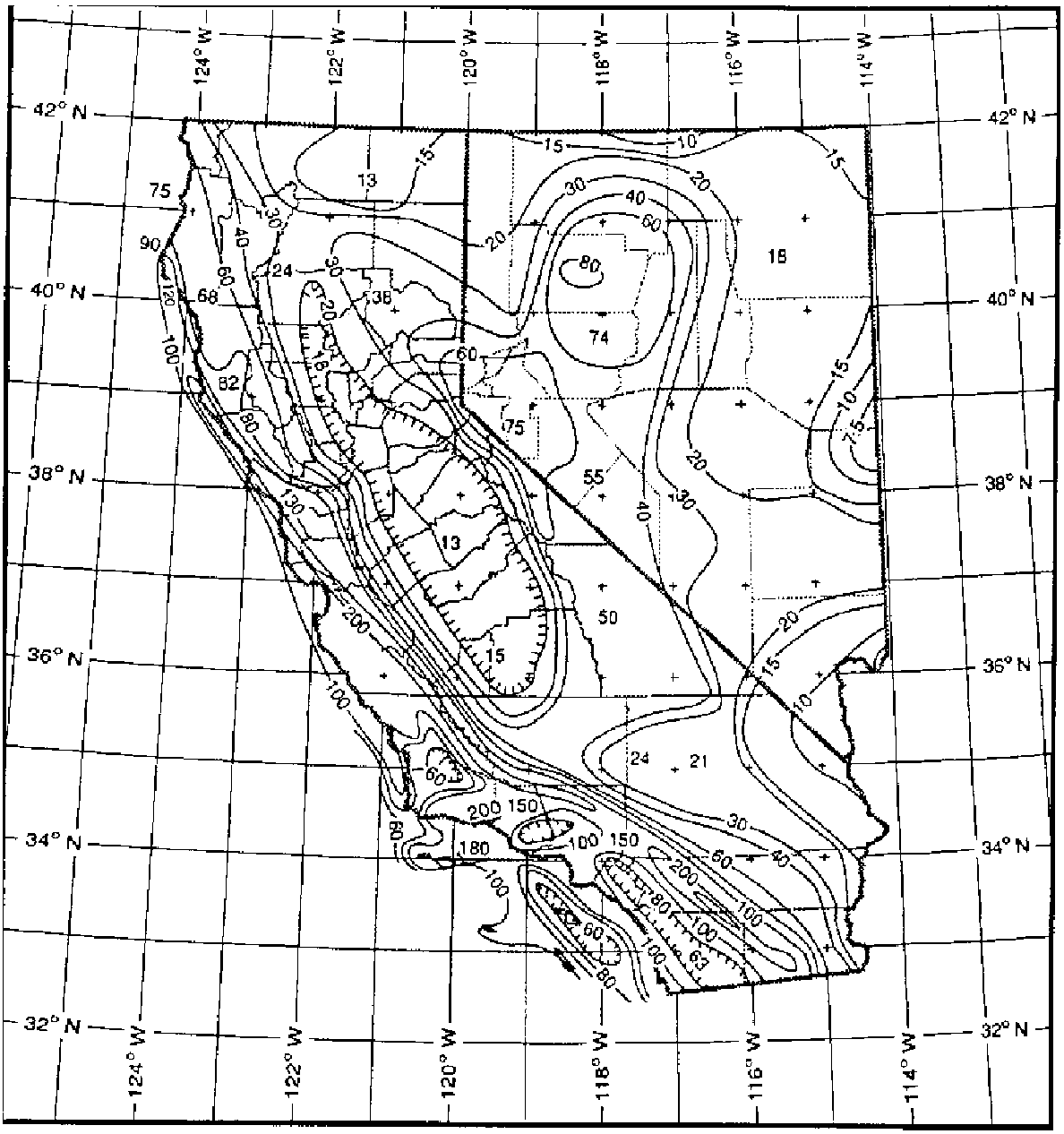

Figure D-2. 1991 USGS map of the 5-percent damped, 0.3-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 50 years

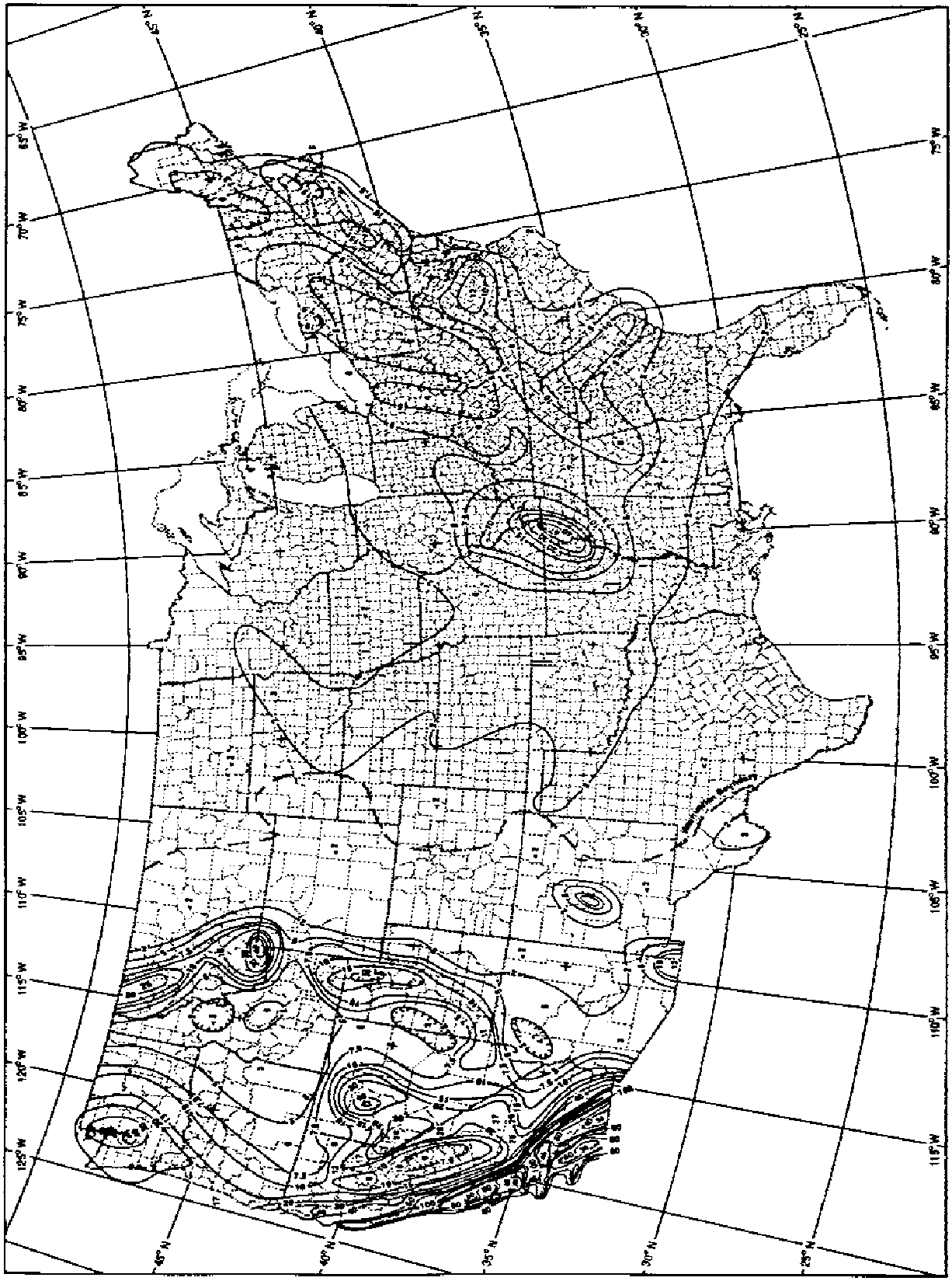

Figure D-3. 1991 map of the 5-percent damped, 1.0-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 50 years

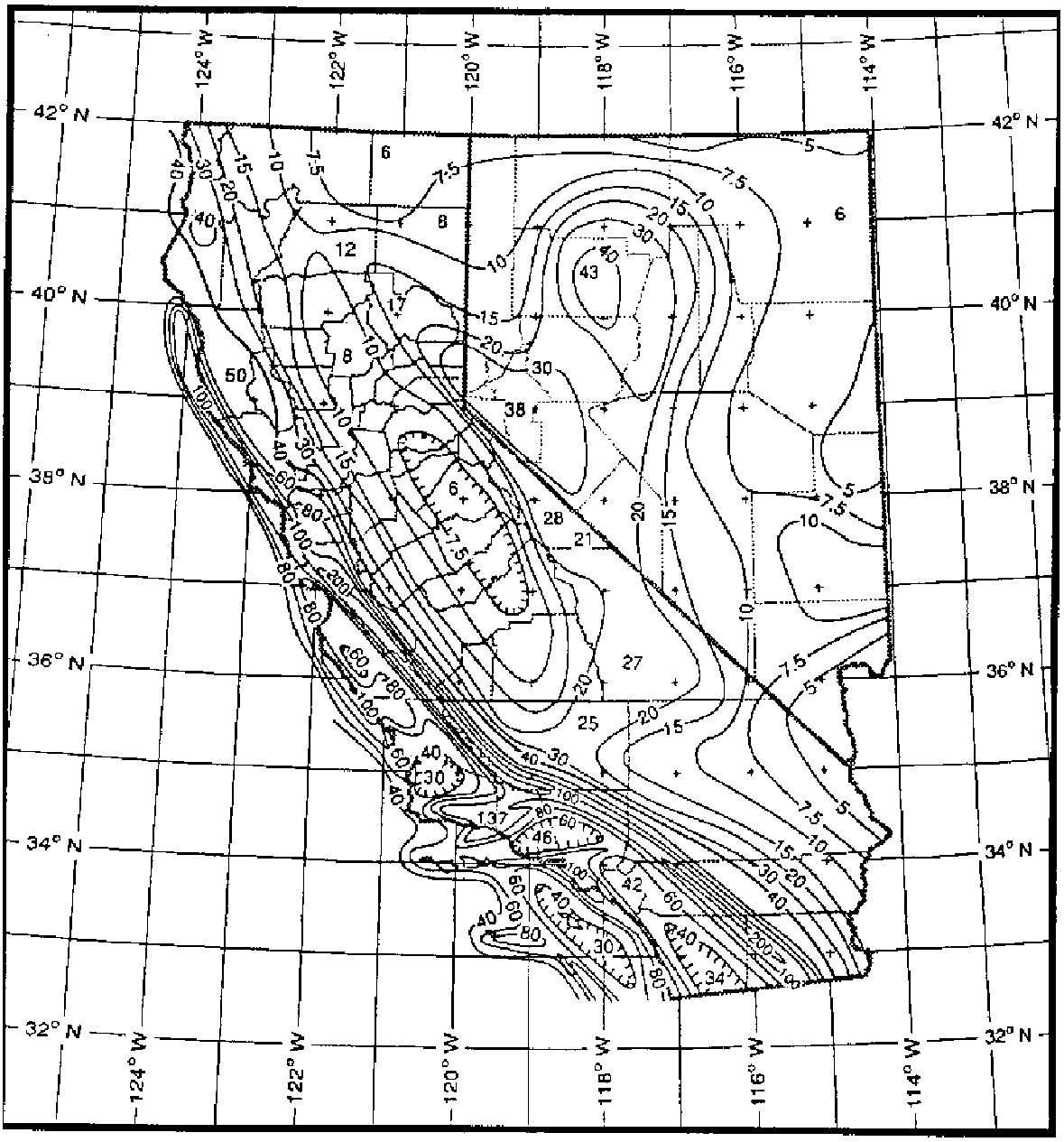

Figure D-4. 1991 USGS map of the 5-percent damped, 1.0-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 50 years

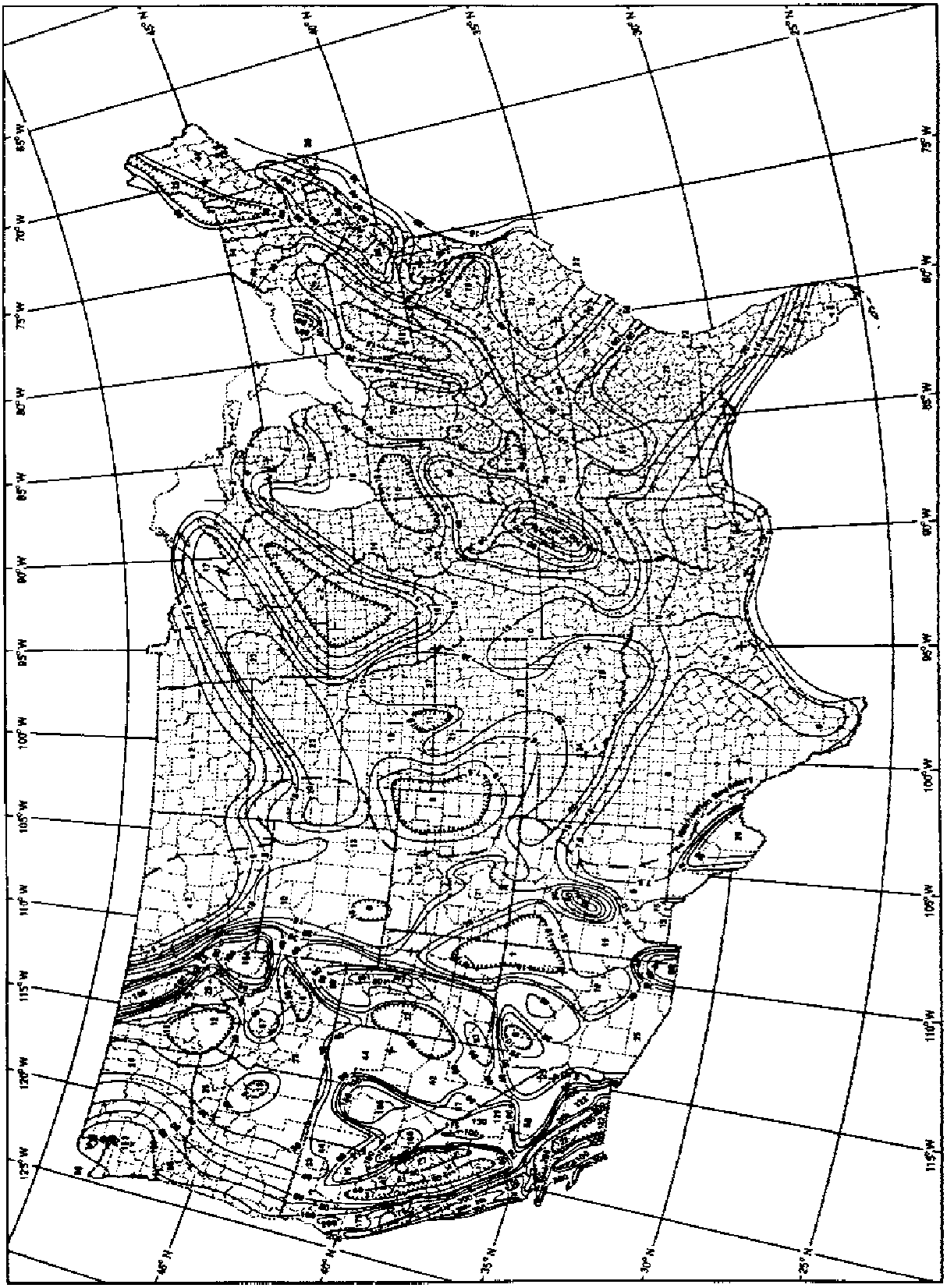

Figure D-5. 1991 map of the 5-percent damped, 0.3-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 250 years

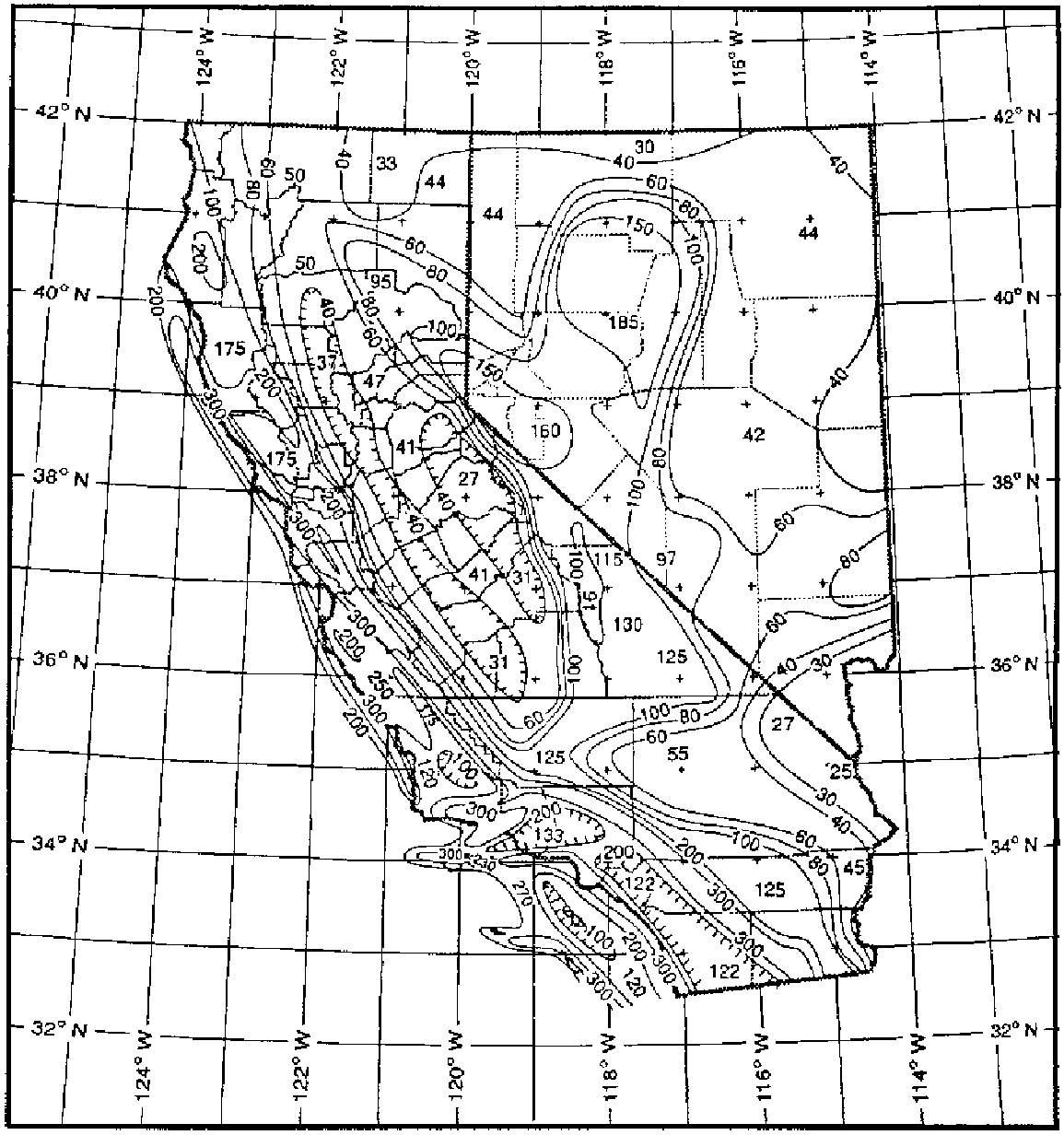

Figure D-6. 1991 USGS map of the 5-percent damped, 0.3-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 250 years

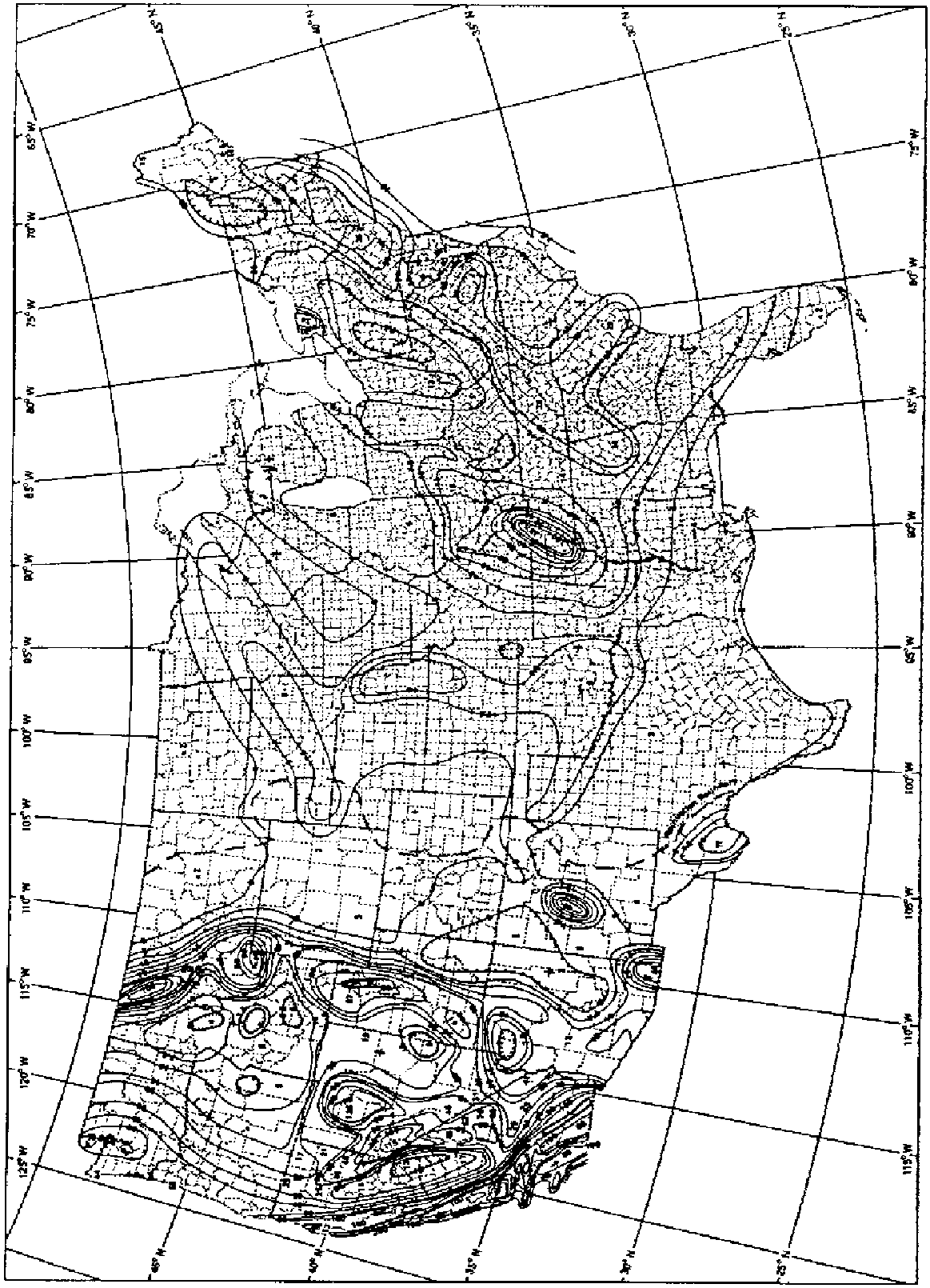

Figure D-7. 1991 map of the 5-percent damped, 1.0-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 250 years

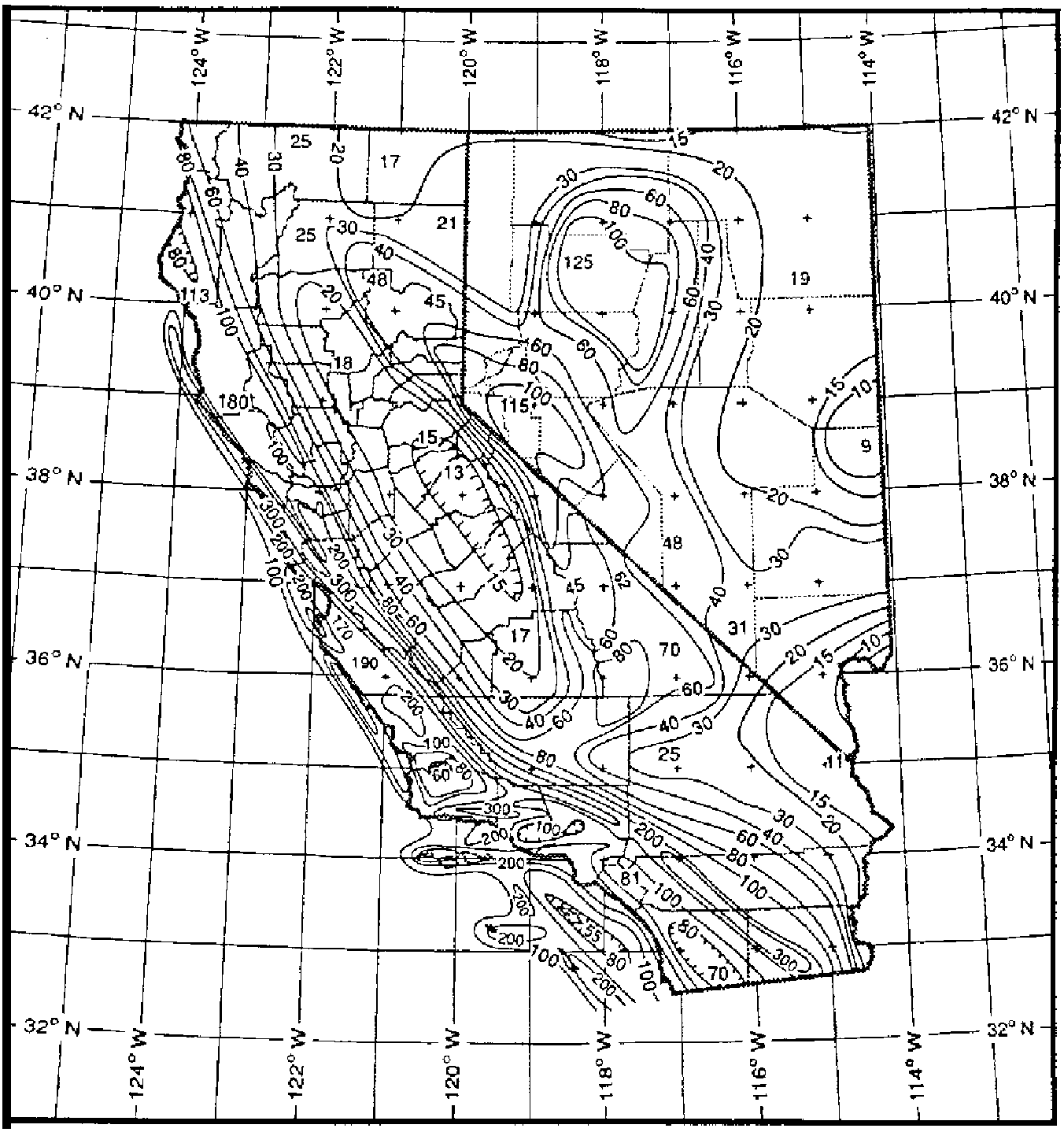

Figure D-8. 1991 USGS map of the 5-percent damped, 1.0-sec pseudo-acceleration spectral response, expressed in percent of the acceleration of gravity, with a 10-percent probability of exceedance in 250 years