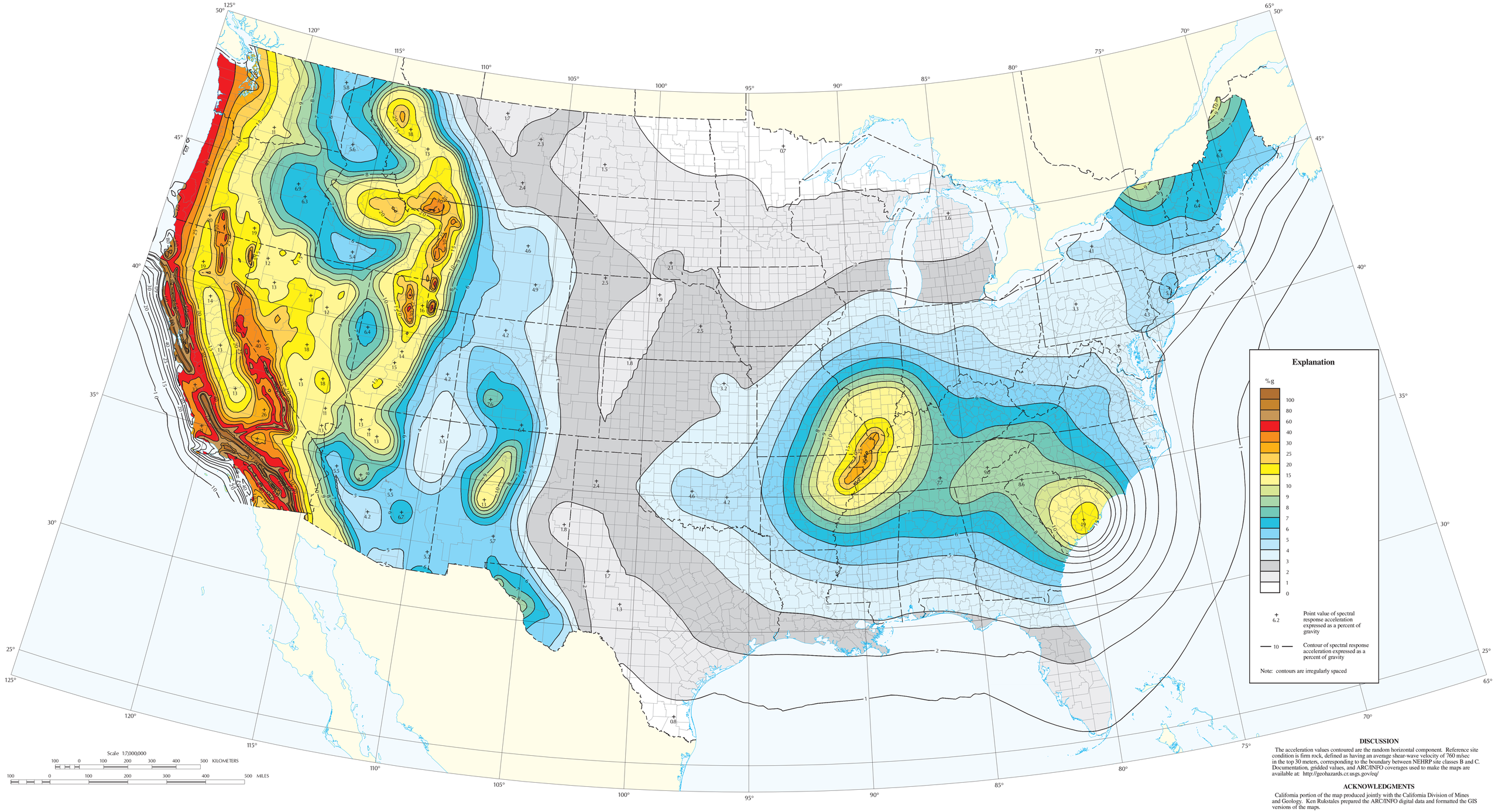
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN FILE REPORT
97-131-K



SEISMIC-HAZARD MAPS FOR THE CONTERMINOUS UNITED STATES
MAP K - HORIZONTAL SPECTRAL RESPONSE ACCELERATION FOR 1.0 SECOND PERIOD (5% OF CRITICAL DAMPING) WITH 5% PROBABILITY OF EXCEEDANCE IN 50 YEARS

By

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1997

Digital data prepared with ARC/INFO 7.0.4
running under Solaris 2.5 on a UNIX workstation

Albers Equal-Area Conic Projection
Standard Parallels 29.5°N and 45.5°N
Central Meridian 95°W

DISCUSSION

The acceleration values contoured are the random horizontal component. Reference site condition is firm rock, defined as having an average shear-wave velocity of 760 m/sec in the top 30 meters, corresponding to the boundary between NEHRP site classes B and C. Documentation, gridded values, and ARC/INFO coverages used to make the maps are available at: http://geohazards.cr.usgs.gov/eq/

ACKNOWLEDGMENTS

California portion of the map produced jointly with the California Division of Mines and Geology. Ken Rukstales prepared the ARC/INFO digital data and formatted the GIS versions of the maps.

REFERENCES

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Petersen, M., Bryant, W., Cramer, C., Cao, T., Reichle, M., Frankel, A., Lienkaemper, J., McCrory, P., and Schwartz, D., 1996, Probabilistic Seismic Hazard Assessment for the State of California: California Division of Mines and Geology Open-File Report 96-08, 66 p., and U.S. Geological Survey Open-File Report 96-706, 66 p.