



**SEISMIC-HAZARD MAPS FOR THE CONTERMINOUS UNITED STATES
MAP A - PEAK HORIZONTAL ACCELERATION
WITH 10% PROBABILITY OF EXCEEDANCE IN 50 YEARS**

By

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Explanation

%g

100
80
60
40
30
25
20
15
10
9
8
7
6
5
4
3
2
1
0

+ 6.2 Point value of peak acceleration expressed as a percent of gravity

— 10 — Contour of peak acceleration expressed as a percent of gravity

Note: contours are irregularly spaced

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/ev/>

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REFERENCES
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Frankel, A., Mueller, C., Barnhard, T., Perkins, D., Leyendecker, E.V., Dickman, N., Hanson, S., and Hopper, M., 1997, Seismic-Hazard Maps for California, Nevada and Western Arizona/Utah: U.S. Geological Survey Open-File Report 97-130, 12 sheets, scale 1:2,000,000.
Peterson, 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.

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For sale by U.S. Geological Survey, Earthquake Maps, Box 25046, Federal Center, MS-967, Denver, CO 80225

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