



**SEISMIC-HAZARD MAPS FOR THE CONTERMINOUS UNITED STATES  
MAP B - PEAK HORIZONTAL ACCELERATION  
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

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**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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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

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