



**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/eq/>

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**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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