

Explanation

Contour intervals, %g

- 200 —
- 175 —
- 150 —
- 125 —
- 100 —
- 90 —
- 80 —
- 70 —
- 60 —
- 50 —
- 40 —
- 35 —
- 30 —
- 25 —
- 20 —
- 15 —
- 10 —
- 5 —
- 0 —



Areas with a constant spectral response acceleration of 150% g



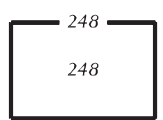
Point value of spectral response acceleration expressed as a percent of gravity



Contours of spectral response acceleration expressed as a percent of gravity. Hachures point in direction of decreasing values.



Locations of deterministic zone boundaries (see DISCUSSION). The number on the boundary and inside the zone is the median spectral response acceleration times 1.5, expressed as a percent of gravity.



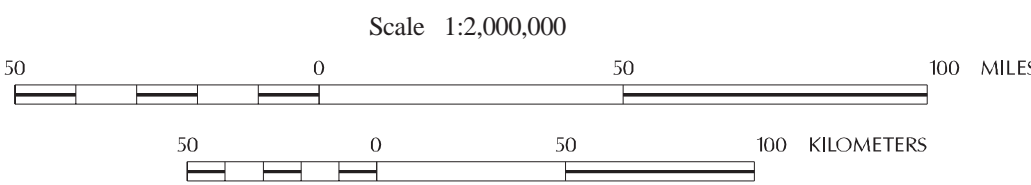
Note: contours are irregularly spaced

DISCUSSION

The acceleration values contoured are the random horizontal component. For design purposes, the reference site condition for the map is to be taken as NEHRP site class B.
 The two areas shown as zone boundaries are the projection to the earth's surface of horizontal rupture planes at 9 km depth. Spectral accelerations are constant within the boundaries of the zones. The number on the boundary and inside the zone is the median spectral response acceleration times 1.5.

REFERENCES

U.S. Geological Survey National Seismic-Hazard Mapping Project, 1998, Hawaii Seismic-Hazard Maps: Documentation: U.S. Geological Survey Open-File Report, in progress.
 U.S. Geological Survey National Seismic-Hazard Mapping Project, 1998, Seismic-Hazard Maps of Hawaii: U.S. Geological Survey Open-File Report, 6 sheets, scale 1:2,000,000, in progress.



MAP 19
Maximum Considered Earthquake Ground Motion for Hawaii
 of
0.2 sec Spectral Response Acceleration (5% of Critical Damping)

Digital data prepared with ARC/INFO 7.1.1 running under Solaris 2.5 on a UNIX workstation

Albers Equal-Area Conic Projection
 Standard Parallels 8°N and 18°N
 Central Meridian 157.5°W

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