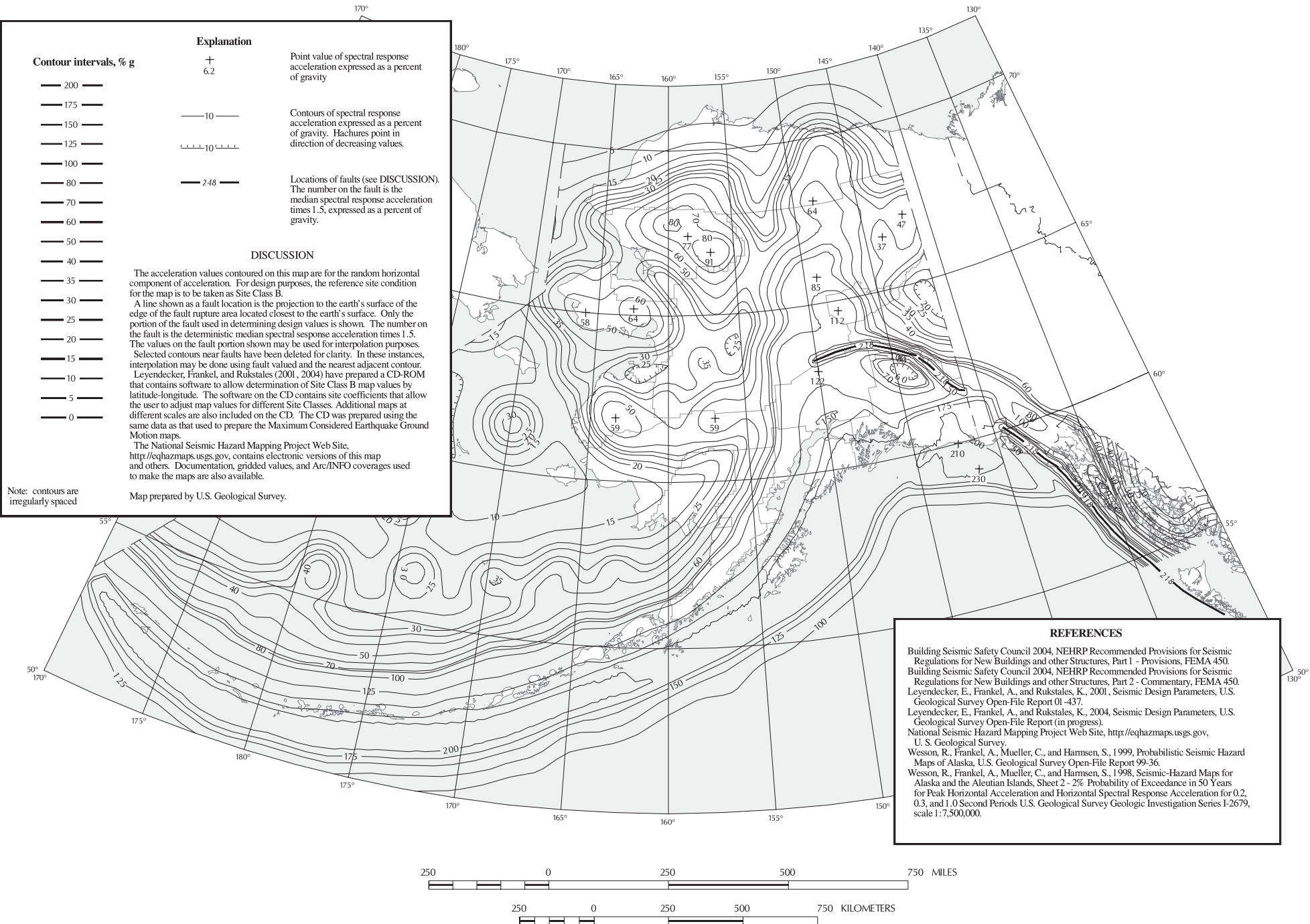


FIGURE 1613.5(11) MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION FOR ALASKA OF 0.2 SEC SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING), SITE CLASS B



Contour intervals, % g

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

Explanation

- | | |
|-----|---|
| + | Point value of spectral response acceleration expressed as a percent of gravity |
| 6.2 | |
- | | |
|--------|---|
| — 10 — | Contours of spectral response acceleration expressed as a percent of gravity. Hachures point in direction of decreasing values. |
| — 10 — | |
- | | |
|----------|--|
| — 2.48 — | Locations of faults (see DISCUSSION). The number on the fault is the median spectral response acceleration times 1.5, expressed as a percent of gravity. |
|----------|--|

DISCUSSION

The acceleration values contoured on this map are for the random horizontal component of acceleration. For design purposes, the reference site condition for the map is to be taken as Site Class B.

A line shown as a fault location is the projection to the earth's surface of the edge of the fault rupture area located closest to the earth's surface. Only the portion of the fault used in determining design values is shown. The number on the fault is the deterministic median spectral response acceleration times 1.5. The values on the fault portion shown may be used for interpolation purposes.

Selected contours near faults have been deleted for clarity. In these instances, interpolation may be done using fault value and the nearest adjacent contour.

Leyendecker, Frankel, and Rukstales (2001, 2004) have prepared a CD-ROM that contains software to allow determination of Site Class B map values by latitude-longitude. The software on the CD contains site coefficients that allow the user to adjust map values for different Site Classes. Additional maps at different scales are also included on the CD. The CD was prepared using the same data as that used to prepare the Maximum Considered Earthquake Ground Motion maps.

The National Seismic Hazard Mapping Project Web Site, <http://eqhazmaps.usgs.gov>, contains electronic versions of this map and others. Documentation, gridded values, and Arc/INFO coverages used to make the maps are also available.

Map prepared by U.S. Geological Survey.

REFERENCES

Building Seismic Safety Council 2004, NEHRP Recommended Provisions for Seismic Regulations for New Buildings and other Structures, Part 1 - Provisions, FEMA 450.

Building Seismic Safety Council 2004, NEHRP Recommended Provisions for Seismic Regulations for New Buildings and other Structures, Part 2 - Commentary, FEMA 450.

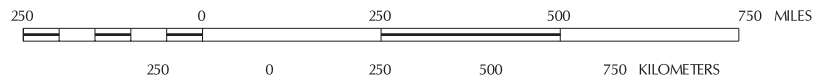
Leyendecker, E., Frankel, A., and Rukstales, K., 2001, Seismic Design Parameters, U.S. Geological Survey Open-File Report 01-437.

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Wesson, R., Frankel, A., Mueller, C., and Hamsen, S., 1999, Probabilistic Seismic Hazard Maps of Alaska, U.S. Geological Survey Open-File Report 99-36.

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Note: contours are irregularly spaced