

Explanation

Contour intervals, %g

- 200 —
- 175 —
- 150 —
- 125 —
- 100 —
- 90 —
- 75 —
- 60 —
- 50 —
- 40 —
- 30 —
- 25 —
- 20 —
- 15 —
- 10 —
- 8 —
- 6 —
- 4 —
- 2 —
- 0 —

+ 6.2 Point value of spectral response acceleration expressed as a percent of gravity

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

— 248 — 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.

..... International boundary

----- State boundary

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.

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. The fault location is shown as solid and/or dashed. The fault is shown solid when deterministic values control over probabilistic values and dashed when probabilistic values control over deterministic values. The number on the fault is the deterministic median spectral response acceleration times 1.5. The values on the fault portion shown solid may be used for interpolation purposes. When the fault is shown dashed it is for the purpose of information only and should not be used for interpolation.

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

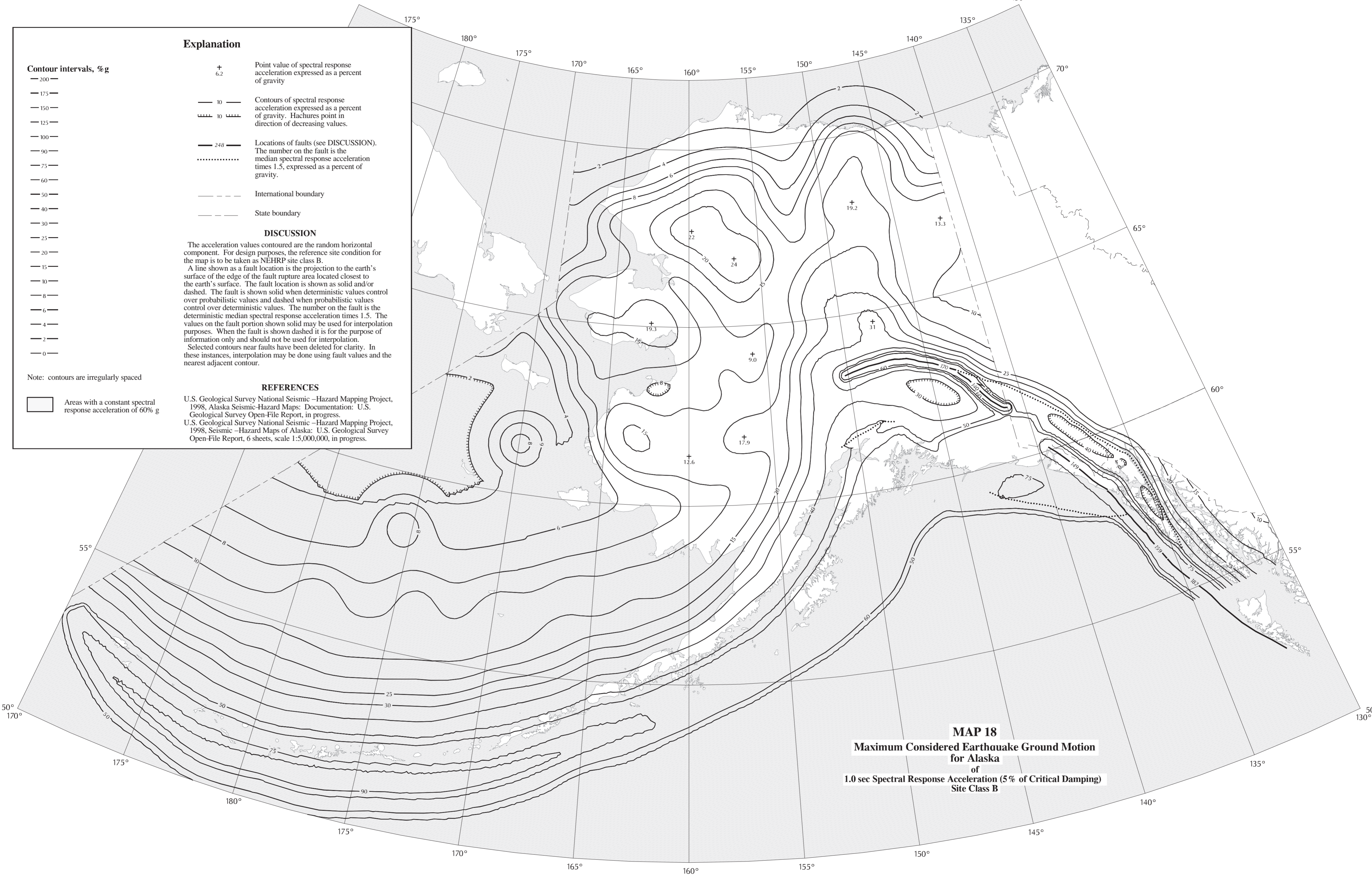
REFERENCES

U.S. Geological Survey National Seismic - Hazard Mapping Project, 1998, Alaska Seismic-Hazard Maps: Documentation, U.S. Geological Survey Open-File Report, in progress.

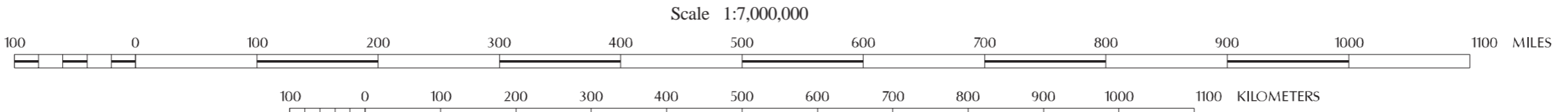
U.S. Geological Survey National Seismic - Hazard Mapping Project, 1998, Seismic - Hazard Maps of Alaska: U.S. Geological Survey Open-File Report, 6 sheets, scale 1:5,000,000, in progress.

Note: contours are irregularly spaced

□ Areas with a constant spectral response acceleration of 60% g



MAP 18
Maximum Considered Earthquake Ground Motion
for Alaska
of
1.0 sec Spectral Response Acceleration (5% of Critical Damping)
Site Class B



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 55°N and 65°N
 Central Meridian 160°W