DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOICAL SURVEY

OPEN FILE REPORT 83-358

PLATE 8 OF 10

Map of Horizontal Acceleration in Rock
With a 90 Percent Probability of Not Being Exceeded in 10 Years
Basin and Range Province*

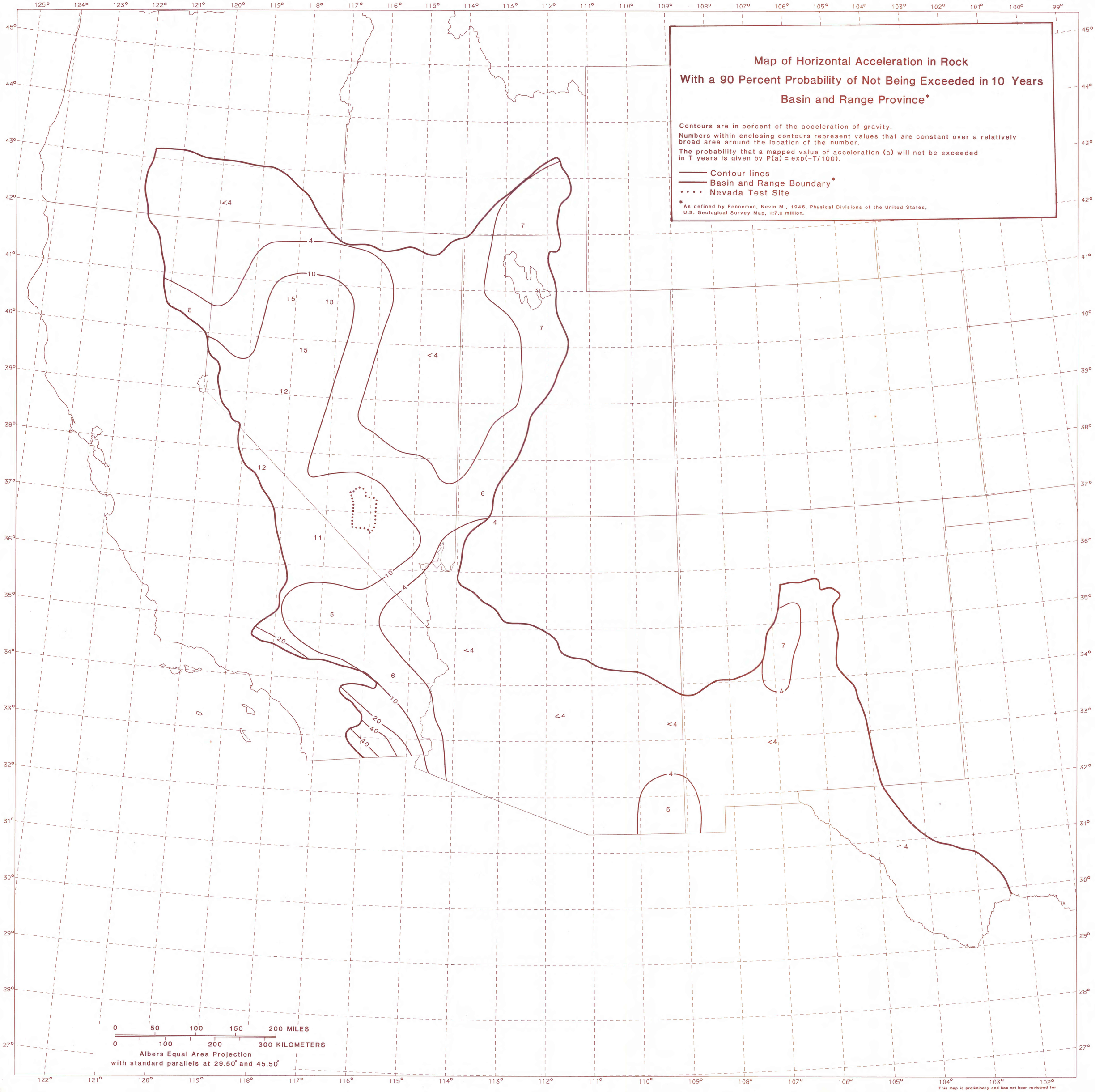
Contours are in percent of the acceleration of gravity.

Numbers within enclosing contours represent values that are constant over a relatively broad area around the location of the number.

The probability that a mapped value of acceleration (a) will not be exceeded in T years is given by $P(a) = \exp(-T/100)$.

——— Contour lines
——— Basin and Range Boundary*
• • • • Nevada Test Site

*As defined by Fenneman, Nevin M., 1946, Physical Divisions of the United States, U.S. Geological Survey Map, 1:7.0 million.



0 50 100 150 200 MILES
0 100 200 300 KILOMETERS

Albers Equal Area Projection
with standard parallels at 29.50° and 45.50°

This map is preliminary and has not been reviewed for conformity with U. S. Geological Survey editorial standards.