130° 129° 128° 127° 126° 125° 124° 123° 122° 121° 120°

CANADA

WASHINGTON

49°
48°
47°
46°
45°
44°
43°
42°
41°
40°
39°
38°

PACIFIC OCEAN

OREGON

CALIFORNIA

SCALE 1/2,500,000

50   0   50   100   150   200   250 MILES

50   0   50   100   150   200   250 KILOMETERS

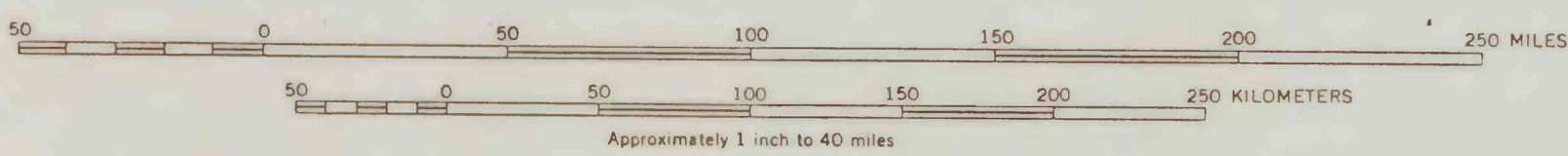Approximately 1 inch to 40 miles

PLATE 7.-2500-YEAR RETURN PERIOD VELOCITY ON ROCK

(90% PROBABILITY OF NOT BEING EXCEEDED IN 250 YEARS)

EXPLANATION

Contours are in centimeters per second.

Dashed contours indicate a continuation of the mapped ground motion level.

Numbers on individual faults represent values occuring only very near the fault.

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

Numbers between contours indicate values located other than where expected by linear interpolation.

The probability that a mapped value of velocity (v) will not be exceeded in T years is given by $P(v) = \exp(-T/2500)$.