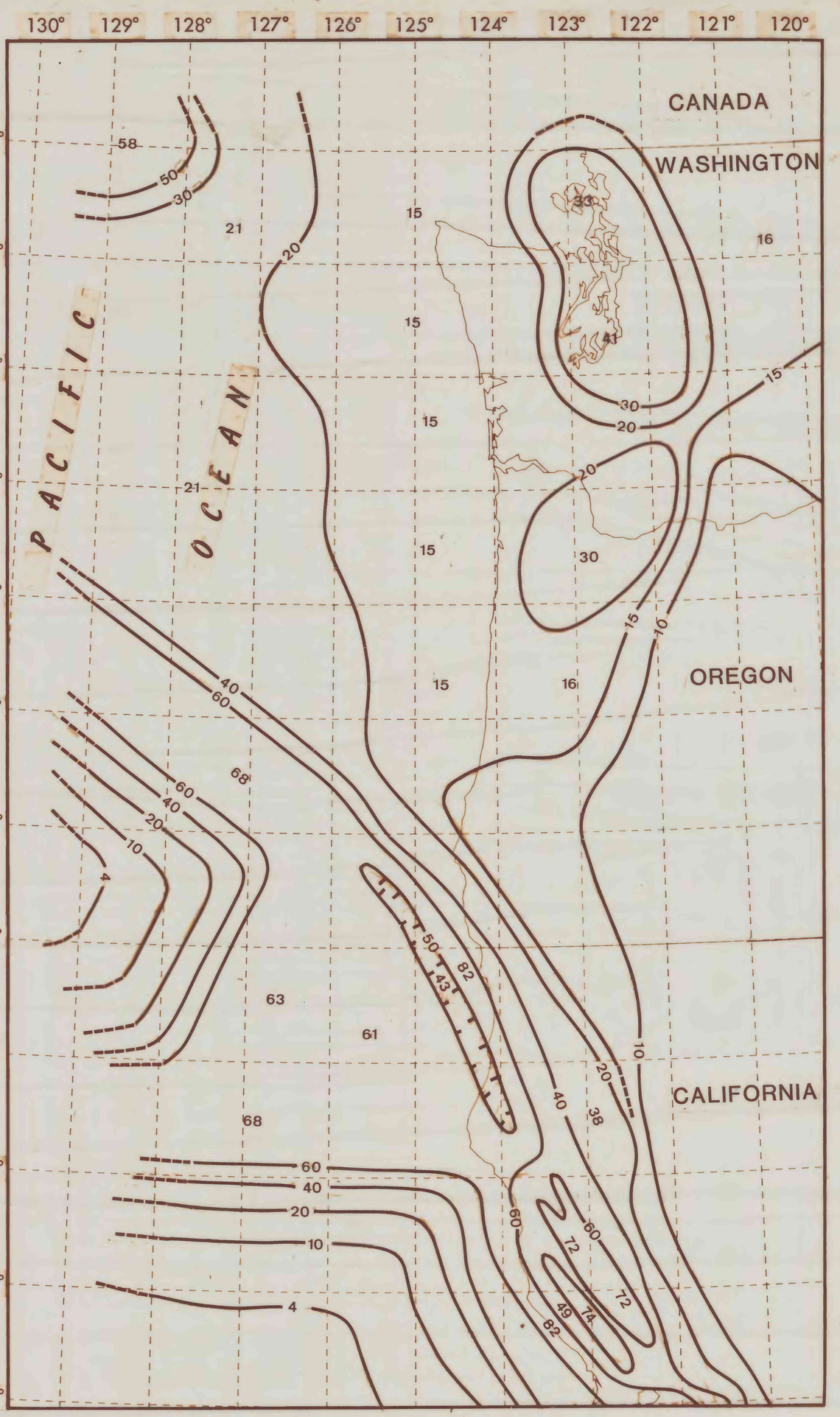
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT
80-471



SCALE 1:2,500,000

50 0 50 100 150 200 250 MILES

50 0 50 100 150 200 250 K'LOMETERS

Approximately 1 inch to 40 miles

PLATE 4.- 2500-YEAR RETURN PERIOD ACCELERATION ON ROCK

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

EXPLANATION

Contours are in percent of gravity.

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

Numbers on individual faults represent values occurring 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 acceleration (a) will not be exceeded in T years is given by $P(a) = \exp(-T/2500)$.

This report is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards.