

SCALE 1/2,500,000

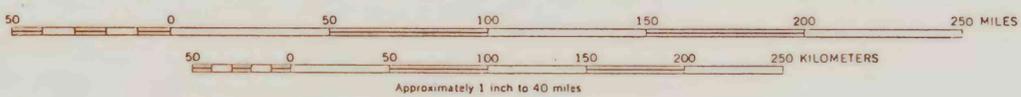


PLATE 5.-100-YEAR RETURN PERIOD VELOCITY ON ROCK  
 (90% PROBABILITY OF NOT BEING EXCEEDED IN 10 YEARS)

EXPLANATION

Contours are in centimeters per second.

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

Numbers on individual faults represent values 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 velocity ( $v$ ) will not be exceeded in  $T$  years is given by  $P(v) = \exp(-T/100)$ .

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