

**Explanation:**  
Preliminary map of epicenters, focal mechanisms, and faults in candidate area. The faults represent late Pliocene and Quaternary movement (approximately 3 million years). The base map is from Carr (1984). Well-known Quaternary faults are shown within a 100km radius of Yucca Mountain (map is incomplete in some areas).  
Hachured region is an arbitrary zone chosen as a preliminary identification of potentially induced seismicity from nuclear tests.

Fault known or suspected to have had surface movement 2-3 million years B.P.

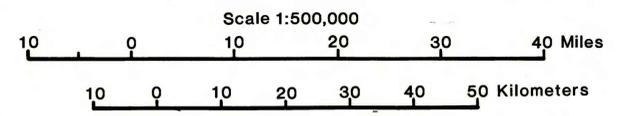
Unusually linear mountain front where persistent fault activity has maintained a prominent scarp in bedrock or a steep linear mountain segment where young deposits are not obviously offset. The direction of hachures indicates down-thrown block.

Line of volcanic vents of Quaternary age.

Wood-Anderson equivalent magnitude  
 •  $M_L < 1$       ◦  $2 \leq M_L < 3$   
 •  $1 \leq M_L < 2$     ◦  $3 \leq M_L$

▽ Seismograph station

⊙ Earthquake focal mechanism



This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by U.S.G.S..