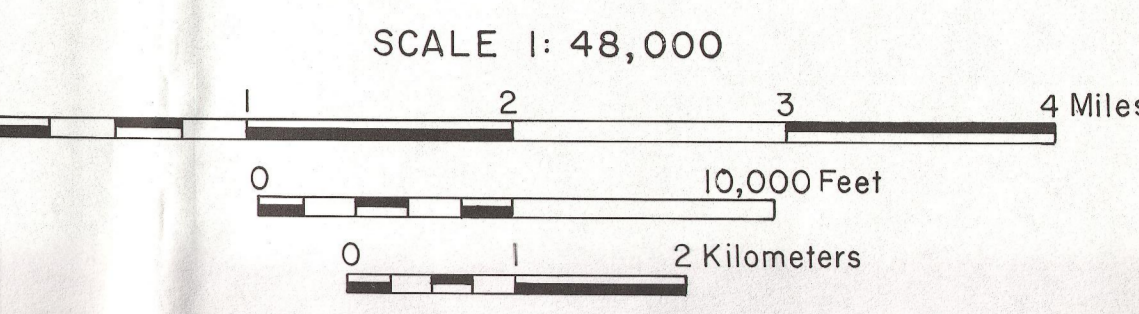


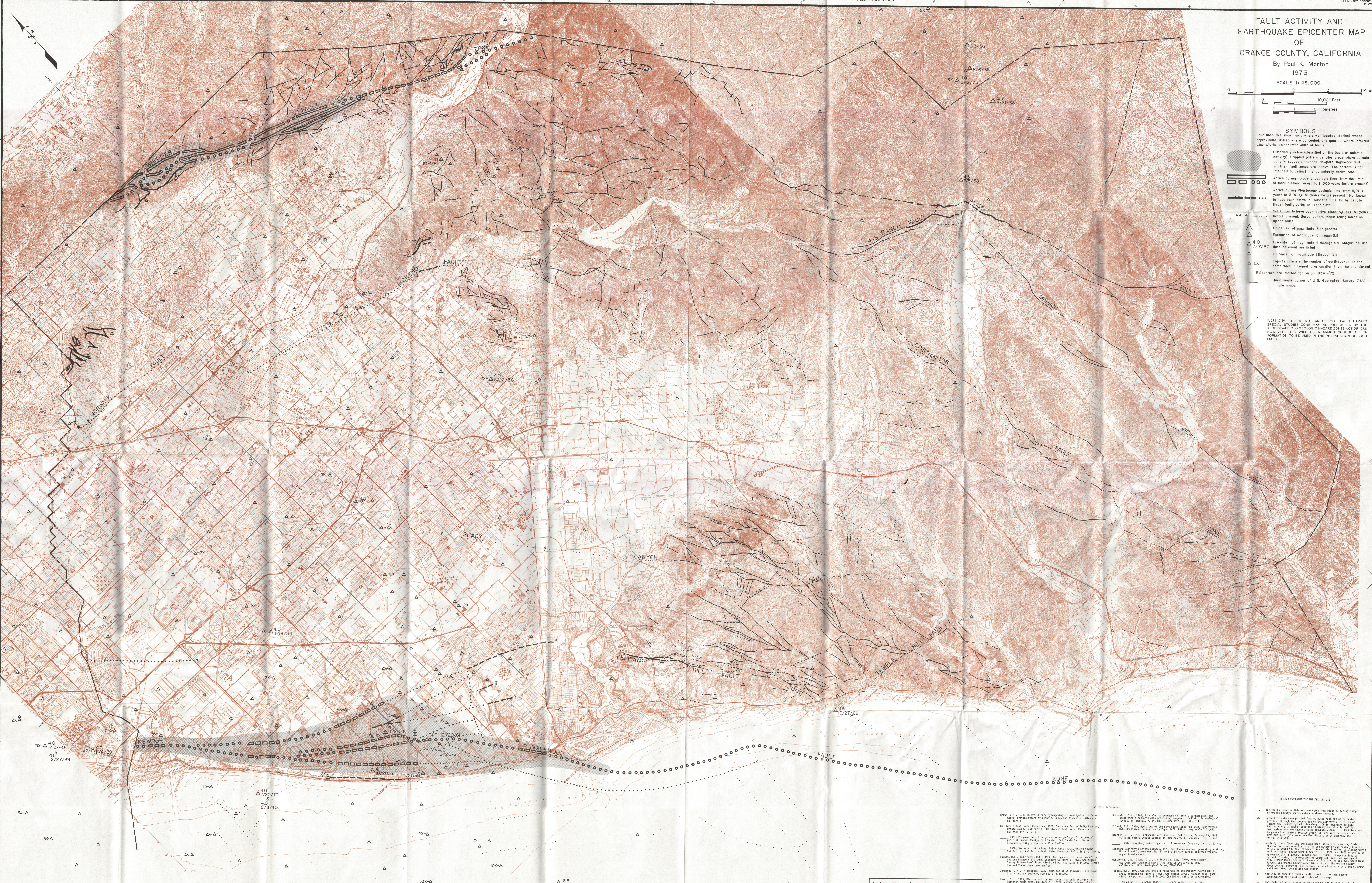
FAULT ACTIVITY AND EARTHQUAKE EPICENTER MAP OF ORANGE COUNTY, CALIFORNIA

By Paul K. Morton
1973



- SYMBOLS**
- Four lines are shown where well located, dashed where approximate, dotted where concealed, and quashed where inferred. Line widths do not infer width of fault.
 - Historically active (classified on the basis of seismic activity). Stippled pattern denotes areas where seismic activity suggests that the Newport-Inglewood and Whittier fault zones are active. The pattern is not intended to delimit the seismically active zone.
 - Active during Holocene geologic time (from the limit of local historic record to 11,000 years before present).
 - Active during Pleistocene geologic time (from 11,000 years to 5,000,000 years before present). Not known to have been active in Holocene time. Berbs denote thrust fault; berbs on upper plate.
 - Not known to have been active since 3,000,000 years before present. Berbs denote thrust fault; berbs on upper plate.
 - Epicenter of magnitude 6.0 or greater
 - Epicenter of magnitude 5.5 through 5.9
 - Epicenter of magnitude 4 through 5.4
 - Epicenter of magnitude 3 through 3.9
 - Figures indicate the number of earthquakes at the same place, all equal to or smaller than the one plotted.
 - Epicenters are plotted for period 1934-72.
 - Quadrangle corner of U.S. Geological Survey 7 1/2 minute maps.

NOTE: THIS IS NOT AN OFFICIAL FAULT HAZARD SPECIAL STUDIES ZONE MAP AS PRESCRIBED BY THE ALBERTI PROVISIONS OF CALIFORNIA GOVERNMENT CODE. HOWEVER, THIS WILL BE A MAJOR SOURCE OF INFORMATION TO BE USED IN THE PREPARATION OF SUCH MAPS.



NOTE: Offshore faults determined by reflection profile techniques; location and continuity subject to differing interpretations.

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