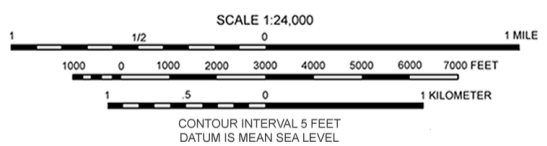


TOPOGRAPHIC BASE MAP BY U.S. GEOLOGICAL SURVEY 1967



MAP EXPLANATION

- Active Faults**
- Faults considered to have been active during Holocene time and to have a relatively high potential for surface rupture; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.
- Special Studies Zone Boundaries**
- These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.
 - Seaward projection of zone boundary.

**STATE OF CALIFORNIA
SPECIAL STUDIES ZONES**
Delineated in compliance with
Chapter 7.5, Division 2 of the California Public Resources Code
(Alquist-Priolo Special Studies Zones Act)

Calexico Quadrangle
REVISED OFFICIAL MAP
Effective: January 1, 1990

James F. Davis State Geologist

REFERENCES USED TO COMPILE FAULT DATA

- Calexico Quadrangle
- Hart, E.W., 1981. Preliminary map of October 1979 fault rupture, Imperial and Brawley faults, Imperial County, California: California Division of Mines and Geology Open File Report 81-5 SF, 6 map sheets, scale 1:24,000.
 - Hart, E.W., 1980. Imperial, Brawley, and Rio faults in Imperial County, California: Division of Mines and Geology Fault Evaluation Report FER-206 (unpublished).
 - Sharp, R.V., 1977. Holocene traces of the Imperial fault in south-central Imperial County, California: U.S. Geological Survey Open-File Report 77-815, 5 map sheets, scale 1:24,000.
 - Sharp, R.V., Linsenkemper, J.J., Bonilla, M.G., Burke, D.B., Fox, B.F., Herd, D.G., Miller, D.M., Morion, D.M., Potts, D.J., Pymer, M.J., Timney, J.C., Young, J.C., Kahn, J.E., Hart, E.W., and Saff, K.E., 1982. Surface faulting in the central Imperial Valley in the Imperial Valley, California, earthquake of October 15, 1979: U.S. Geological Survey Professional Paper 1254, p. 119-143.
- For additional information on faults in this map area, the rationale used for zoning, and additional references consulted, refer to unpublished Fault Evaluation Reports on file at regional offices of DMG.

IMPORTANT - PLEASE NOTE

- 1) This map may not show all faults that have the potential for surface fault rupture, either within the special studies zones or outside their boundaries.
- 2) Faults shown are the basis for establishing the boundaries of the special studies zones. The identification and location of these faults are based on the best available data. However, the quality of data used is varied. Traces have been drawn as accurately as possible at this map scale.
- 4) Fault information on this map is not sufficient to serve as a substitute for the geologic site investigations (special studies) required under Chapter 7.5 of Division 2 of the California Public Resources Code.