



REFERENCES USED TO COMPILE FAULT DATA

- Mettler Quadrangle
- Buwalda, J.P., and St. Amant, P., 1955, Geological effects of the Arvin-Tejon-Chowchilla earthquake, in Oakesott, G.B. (editor), Earthquakes in Kern County, California, during 1952; California Division of Mines Bulletin 172, p. 41-56, 3 plate.
 - Smith, T.C., 1984, Wheeler Ridge and Pleito fault systems, southwestern Kern County; California Division of Mines and Geology Fault Evaluation Report FER-150 (unpublished).

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information on faults in this map area, the rationale used for zoning, and additional references consulted, refer to unpublished Fault Evaluation Reports on file at the DMG office in Pleasant Hill.

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.
- 3) 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.

MAP EXPLANATION

Potentially Active Faults

1906 have been active during Holocene time and to have a 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 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)

METTLER QUADRANGLE

REVISED OFFICIAL MAP

Effective: January 1, 1985

James F. Davis
 State Geologist