



**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 encircle 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)

**OLD STATION QUADRANGLE**

**OFFICIAL MAP**

Effective: November 1, 1991

*James F. Davis* State Geologist

**REFERENCES USED TO COMPILE FAULT DATA**

- MacDonald, G.A., 1964, Geology of the Prospect Peak quadrangle, U.S. Geological Survey Geologic Quadrangle Map GQ-345, scale 1:62,500.
  - Wills, C.J., 1990, Hat Creek, McArthur and related faults, Shasta, Lassen, Modoc and Siskiyou Counties, California: Division of Mines and Geology Fault Evaluation Report FER-209 (unpublished).
  - Woodward-Clyde Consultants, 1987, Pt 1 Forebay Dam (87-110), Evaluation of seismic geology, seismicity and earthquake ground motions: Unpublished consultants report prepared for Pacific Gas and Electric Co. project #8743025A, 48 p., 2 app.
- For additional information on faults in the map area, the rationale used for zoning, and additional references consulted, refer to unpublished Fault Evaluation Reports on file at regional offices of DMG.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.
- 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.