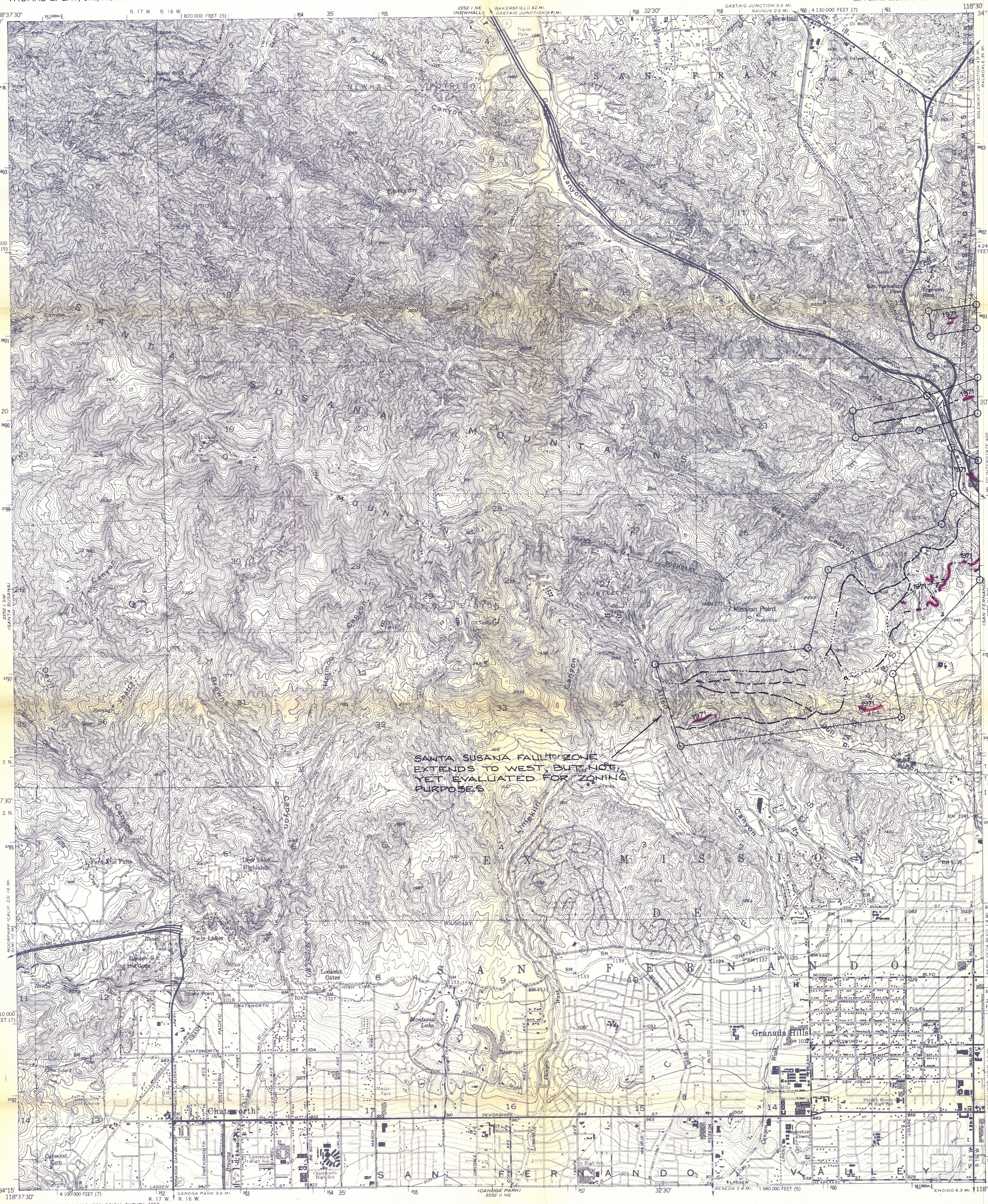
CALIFORNIA DIVISION OF MINES AND GEOLOGY
THOMAS E. GAY, JR., ACTING STATE GEOLOGIST

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

FER 57 PL. 2

OAT MOUNTAIN QUADRANGLE

CALIFORNIA–LOS ANGELES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 SANTA SUSANA 15' QUADRANGLE



Red highlighted traces are those which broke in 1971 (Barrows, et al., 1975, reference 4).
↓ on downthrown side
7 = displacement in cm.

TOPOGRAPHIC BASE BY U.S. GEOLOGICAL SURVEY 1952
PHOTOREVISED 1969

SCALE 1:24 000

CONTOUR INTERVAL 25 FEET
DOTTED LINES REPRESENT 5 FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

REFERENCES USED TO COMPILE FAULT DATA

Oat Mountain Quadrangle

Barrows, A. G., Kahle, J. E., Saul, R. B., and Weber, F. H., Jr., 1975, Geologic map of the San Fernando earthquake area *in* San Fernando, California, earthquake of 9 February 1971: California Division of Mines and Geology Bulletin 196, pl. 2.

Barrows, A. G., Kahle, J. E., Weber, F. H., Jr., Saul, R. B., and Morton, D. M., 1975, Surface effects map of the San Fernando earthquake area *in* San Fernando, California, earthquake of 9 February, 1971: California Division of Mines and Geology Bulletin 196, pl. 3.

Ziony, J. I., Wentworth, C. M., Buchanan-Banks, J. M., and Wagner, H. C., 1974, Preliminary map showing recency of faulting in coastal southern California: U.S. Geological Survey Miscellaneous Field Studies Map MF-585.

MAP EXPLANATION

Potentially Active Faults

1906 C — Faults considered to have been active during Quaternary time; 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.

Aerial photo lineaments (not field checked); based on youthful geomorphic and other features believed to be the results of Quaternary faulting.

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

OAT MOUNTAIN QUADRANGLE

OFFICIAL MAP

Effective: January 1, 1976

T. E. Gay Jr. Acting State Geologist

IMPORTANT - PLEASE NOTE

1) *This map may not show all potentially active faults, 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 of these potentially active faults and the location of such fault traces are based on the best available data. Traces have been drawn as accurately as possible at this map scale, however, the quality of data used is highly varied. The faults shown have not been field checked during this map compilation.
4) Fault information on this map is not sufficient to serve as a substitute for information developed by the special studies that may be required under Chapter 7.5, Division 2, Section 2623 of the California Public Resources Code.

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