CALIFORNIA DIVISION OF MINES AND GEOLOGY
JAMES E. SLOSSON, STATE GEOLOGIST

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

Figure 2 - FER- 94
HOLLISTER QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 HOLLISTER 15' QUADRANGLE

STATE OF CALIFORNIA
SPECIAL STUDIES ZONES

Delineated in compliance with Chapter 7.5, Division 2 of the California Public Resources Code

HOLLISTER QUADRANGLE

OFFICIAL MAP

Effective : July 1, 1974

James E. Slosson State Geologist

MAP EXPLANATION

Potentially Active Faults

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 consecutively numbered turning points so as to define one or more special studies zone segments.

Seaward projection of zone boundary.

REFERENCES USED TO COMPILE FAULT DATA

Hollister Quadrangle

Nason, R.D., 1971, Investigation of fault creep slippage in northern and central California: University of California at San Diego, Ph.D. thesis, 231 p.

Radbruch, D.H., 1968, Map showing recently active breaks along the Hayward fault zone and the southern part of the Calaveras fault zone, California: U.S. Geological Survey open-file map.

Rogers, T.H., 1973, Geologic map of the Hollister quadrangle: California Division of Mines and Geology, unpublished map.

Taliaferro, N.L., 1948, Geologic map of the Hollister quadrangle, California Division of Mines Bulletin 143.

REFERENCES FOR FAULT LOCATIONS

- Taliaferro, N. L., 1948
- Radbruch, D.H., 1968 (based on mapping by Rogers and Nason, 1967)
- Rogers, T.H., 1973
- Dibblee, T.W., Jr., 1975
- Kilburn, C., 1972
- AP-1 Trench location from AP site investigation report fault found in trench indicated by black line

Figure 2 (to FER-94). Fault location sources for 1974 SSZ Map of Hollister 7.5-minute quadrangle.

Branch fault E
Branch fault B
Branch fault D
Branch fault C
Branch fault A
"Buena Vista Road" fault
East Branch Calaveras fault
West Branch Calaveras fault
Northeast trending fault
San Andreas fault (refer to FER-99)
no fault-related cracks in road or offset observed
no water well control or surface evidence for locating trace here
Rogers does not show fault on map that in press; consider deleting from revised SSZ map - EWH 4/25/80
no surface evidence for this fault - trace based on photo (air) interpretation; subsequent field mapping revealed no evidence for faulting
no evidence for faulting south of Buena Vista Rd.
AP-105 Terratech, 1976
AP-104 Terratech 1976
AP-742 Geoconsultants, 1978
Woodward-Clyde 1970
35-18-330-72
Terratech, 1976 AP-106
no evidence for this fault observed on 1966 WRD air photos & limited ground check
chain-link fence badly damaged - any creep related features cannot be distinguished
no fault features observed on 1966 WRD air photo or field check
no fault related cracks or offset observed in road
insufficient water well control to justify fault location
beds in gravel pit not offset
Leighton & Assoc. 1974
AP-56
Rogers
Dibblee
Kilburn
Radbruch

TOPOGRAPHIC BASE BY U.S. GEOLOGICAL SURVEY 1955
PHOTOREVISED 1971

SCALE 1:24000

94-5