UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

MARK WEST SPRINGS QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 CALISTOGA 15' QUADRANGLE

MAP EXPLANATION

f/c 3-92

Recently active faults mapped by Bryant (this report), based on air photo interpretation and limited field mapping (indicated by f/c and date). Solid line indicates well-defined feature, dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty; hachures indicate extent and direction scarp faces.

2 Locality referred to in text.

Location and orientation of trench excavation. Evidence of possible Holocene activity exposed in trench indicated in red. Location of trench less than 100 feet indicated by X.

GEOMORPHIC FEATURES INDICATIVE OF FAULT RECENCY AND/OR LOCATION, BASED ON AIR PHOTO INTERPRETATION AND FIELD MAPPING BY BRYANT (THIS REPORT)

b - bench	fs - faceted spur
bd - beheaded drainage	ld - linear drainage
cd - closed depression	lr - linear ridge
dd - deflected drainage	pa - ponded alluvium
rl-right lateral	s - saddle
ll- left lateral	sb - sidehill bench
dno - drainage not offset	sr - shutter ridge
dov - drainage offset vertically or exhibits "wineglass" configuration	t - tonal lineament
	tr - trough

Figure 3 (to FER-233). Recently active traces of the Alexander/Redwood Hill fault in the Mark West Springs quadrangle. Faults mapped by Bryant (this report), based on air photo interpretation and limited field inspection. Faults recommended for zoning are highlighted in yellow.

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1957. Advance field check 1958.

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 2
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue
To place on the predicted North American Datum 1983 move the projection lines 16 meters north and 95 meters east as shown by dashed corner ticks

Dashed land lines indicate approximate location

GN MN 0°12' 4 MILS 18° 320 MILS

UTM GRID AND 1958 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

CALIF
QUADRANGLE LOCATION

Map photoinspected 1978
No major culture or drainage changes observed

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

MARK WEST SPRINGS, CALIF.
SW/4 CALISTOGA 15' QUADRANGLE
38122-E6-TF-024
1958
PHOTOINSPECTED 1978
DMA 1461 II SW—SERIES V895

233-4