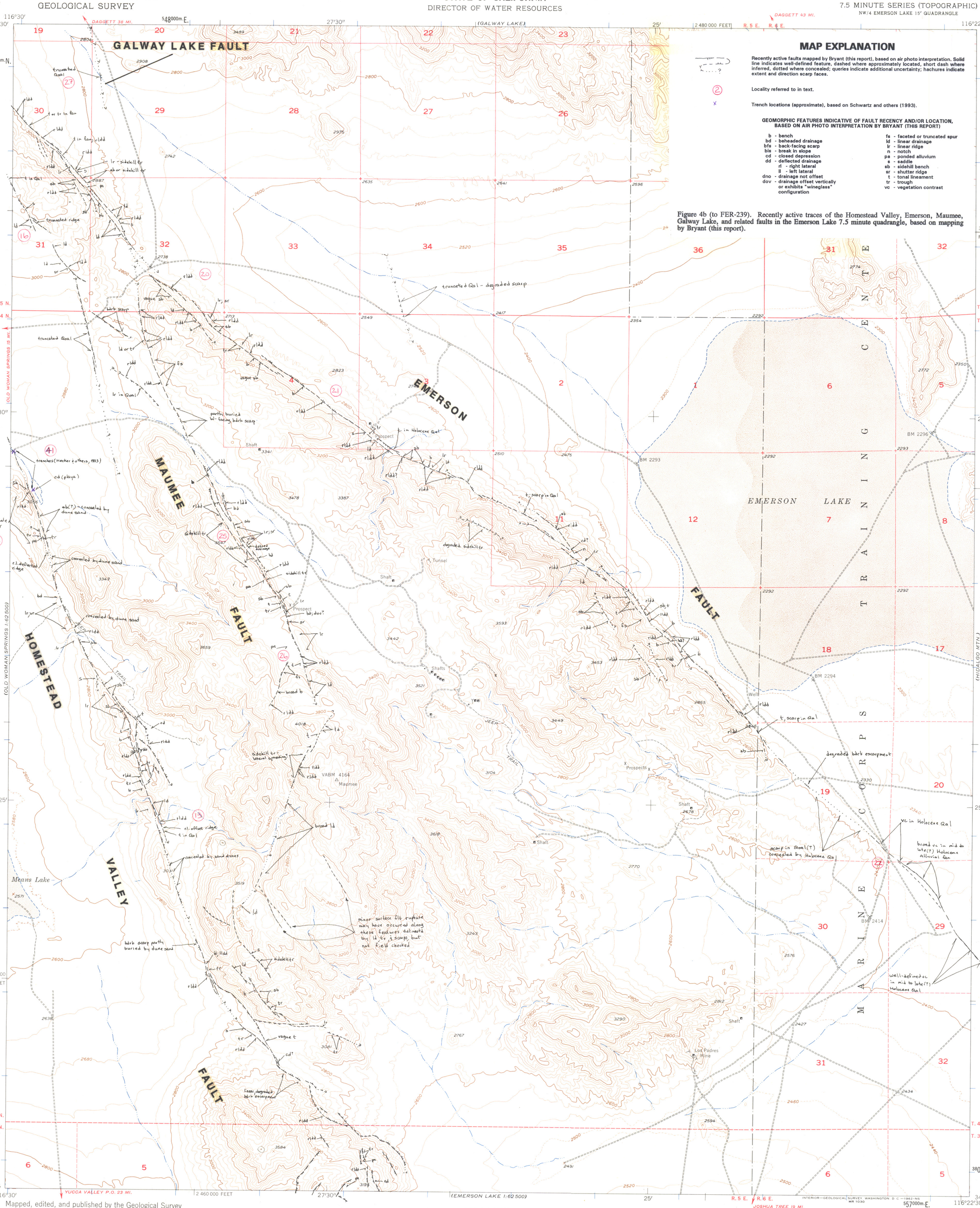
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DIRECTOR OF WATER RESOURCES

EMERSON LAKE QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 EMERSON LAKE 15' QUADRANGLE



MAP EXPLANATION

Recently active faults mapped by Bryant (this report), based on air photo interpretation. 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.

Locality referred to in text.

Trench locations (approximate), based on Schwartz and others (1993).

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

- b - bench
- bd - beheaded drainage
- bfs - back-facing scarp
- bls - break in slope
- cd - closed depression
- dd - deflected drainage
  - rl - right lateral
  - ll - left lateral
- dno - drainage not offset
- dov - drainage offset vertically or exhibits "wineglass" configuration
- fs - faceted or truncated spur
- ld - linear drainage
- lr - linear ridge
- n - notch
- pa - ponded alluvium
- s - saddle
- sb - sidehill bench
- sr - shutter ridge
- t - tonal lineament
- tr - trough
- vc - vegetation contrast

Figure 4b (to FER-239). Recently active traces of the Homestead Valley, Emerson, Maumee, Galway Lake, and related faults in the Emerson Lake 7.5 minute quadrangle, based on mapping by Bryant (this report).

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1952. Field check 1954

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 5
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

Dashed land lines indicate approximate locations

TRUE NORTH
MAGNETIC NORTH
15½°
APPROXIMATE MEAN DECLINATION, 1954

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
DASHED LINES REPRESENT HALF INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

CALIF
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Light-duty — Unimproved dirt

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1962—NS
MR 1030

EMERSON LAKE, CALIF.
NW/4 EMERSON LAKE 15' QUADRANGLE
N3422.5—W11622.5/7.5

1954

239-6