UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MELVILLE LAKE QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 OLD WOMAN SPRINGS 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.

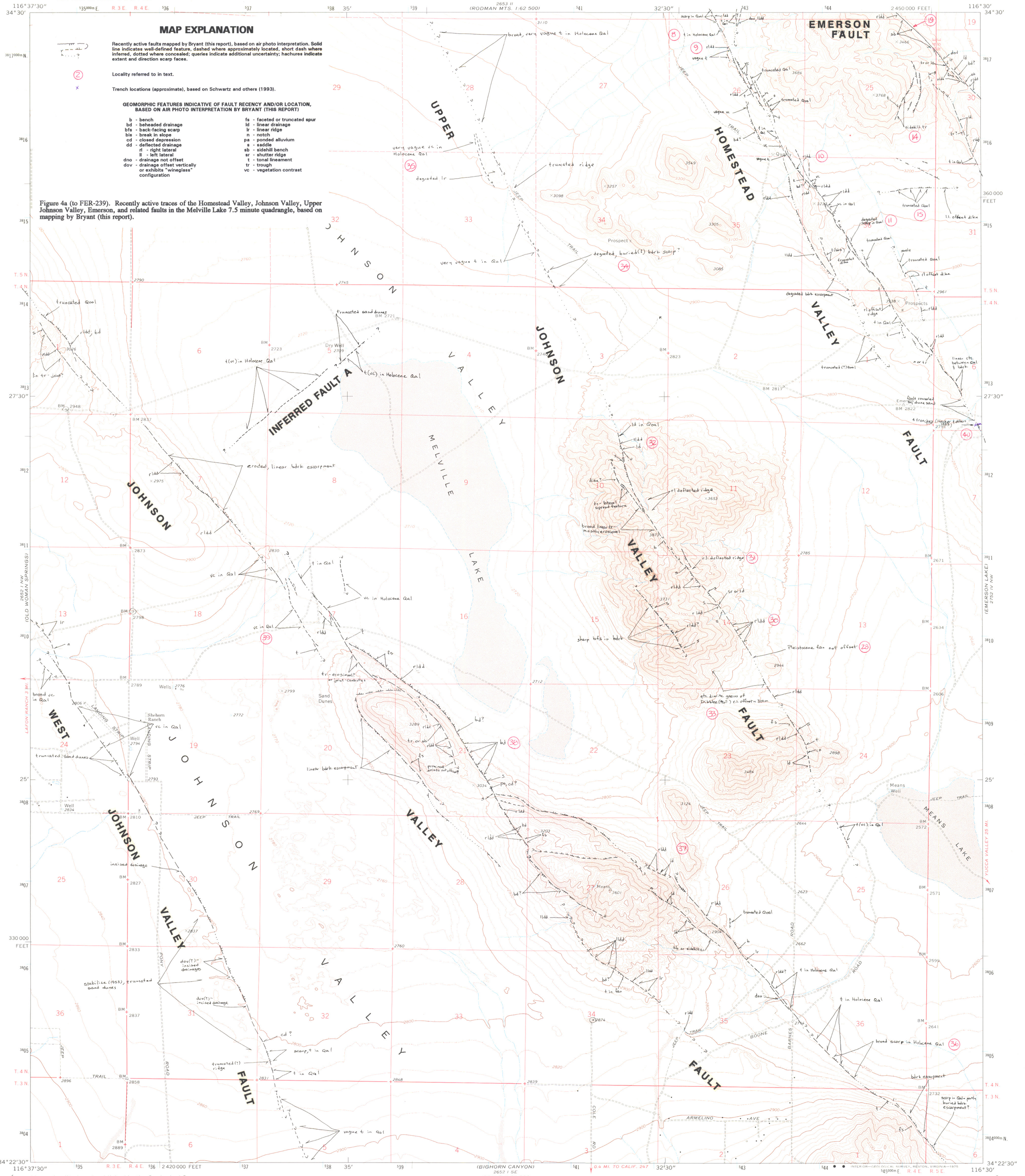
Locality referred to in text.

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
- bis - 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 4a (to FER-239). Recently active traces of the Homestead Valley, Johnson Valley, Upper Johnson Valley, Emerson, and related faults in the Melville Lake 7.5 minute quadrangle, based on mapping by Bryant (this report).



Mapped, edited, and published by the Geological Survey in cooperation with California Department of Water Resources

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1970. Field checked 1972

Projection and 10,000-foot grid ticks: California coordinate system, zone 5 (Lambert conformal conic)
1000-metre Universal Transverse Mercator grid ticks, zone 11, shown in blue. 1927 North American datum

Where omitted, land lines have not been established

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN MN 0°15' 4 MILS 14½° 258 MILS

SCALE 1:24 000
1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETRE

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
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

QUADRANGLE LOCATION
CALIF

ROAD CLASSIFICATION
Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

MELVILLE LAKE, CALIF.
NE/4 OLD WOMAN SPRINGS 15' QUADRANGLE
N3422.5—W11630/7.5

1972

AMS 2652 I NE—SERIES V895

239-5