UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TWENTYNINE PALMS QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 TWENTYNINE PALMS 15' QUADRANGLE

Figure 3a (to FER-181). Recently active faults in the Yucca Valley-Twentynine Palms study area. Mapping is by Bryant (this report), based on air photo interpretation and field observations.

MAP EXPLANATION

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; queries indicate uncertainty; hachures indicate direction scarp faces.

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 long 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
bd - beheaded drainage
cd - closed depression
dd - deflected drainage - rl - right-lateral; ll - left-lateral
dov - drainage offset vertically
ld - linear drainage
fs - faceted spur
lr - linear ridge
n - notch
pa - ponded alluvium
s - saddle
sb - sidehill bench
sr - shutter ridge
t - tonal lineament
tr - trough
vc - vegetation contrast

Soil pit excavated to depth of 90 cm: fine to medium grained sand, uniform color throughout section (10YR 5/4 M), structureless, relatively cohesionless. f/c 2-86

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

VALLEY MTN. 15' qd.
1:62,500

See Valley Mtn. 15' qd.

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