UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

YUCCA VALLEY NORTH QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 JOSHUA TREE 15' QUADRANGLE

Figure 2d (to FER-181). Faults in the Yucca Valley-Twentynine Palms study area, based on available mapping by others. Annotations are selected data from the work of others and air photo interpretation by Bryant (this report).

MAP EXPLANATION

Faults mapped by Bacheller (1978); solid, well exposed; long dashed, poorly exposed, well located; short dashed, poorly exposed, poorly located; queried, existence inferred, dotted, concealed.

Faults mapped by Bader and Moyle (1960), dashed where approximately located, dotted where concealed, queried where doubtful.

Faults mapped by Dibblee (1967, 1968a), dashed where indefinite, dotted where concealed or inferred, queried where doubtful.

Faults mapped by Grimes (1981), dashed where approximately located, dotted where concealed.

Faults mapped by Morton and others (1980), dashed where approximately located, queried where scarp is poorly defined or origin may be other than faulting. Annotations point out particularly well developed features.

Faults mapped by Wahler Associates (1984), dashed where inferred, dotted where concealed.

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.

Key to faulted & unfaulted deposits

-deposit offset — H -Holocene — L - late Pleistocene
-deposit not offset — Q -Quaternary — b - bedrock

SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETRE

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

No geomorphic evidence of recent faulting

Eroded, W-facing scarp in Pleistocene alluvium. f/c 3/86

pa

drainages not offset

BADER & MOYLE

DIBBLEE

FAULT

Constricted drainage

No geomorphic evidence of recent faulting

vague t in Holocene (?) alluvium

ld

t, tr?

No shear fabric observed in outcrops of granitic bedrock. f/c 3-86

drainage constricted

lr

t

rldd?

pa?

scarp artificial?

t

Pioneertown

SAWTOOTHS

no geomorphic evidence of recent faulting

no geomorphic evidence of recent faulting

Canyon

Water

GRIMES

PINTO

MOUNTAIN

FAULT

broad linear tr in bedrock

Yucca Valley

YUCCA VALLEY, SOUTH

North Park Peak

No geomorphic evidence of recent faulting

Closed basin

linear ridge

no geomorphic evidence of recent faulting

no geomorphic evidence of recent faulting

no geomorphic evidence of recent faulting

linear ridge

Morongo Valley

MORONGO VALLEY FLT.

BADER & MOYLE

Burnt Mountain

181-4