MAP A. MAJOR INCISED DRAINAGE CHANNELS.

BASE MAP: USGS 7.5' TOPO MAP
TEHACHAPI SOUTH, CALIFORNIA

FIGURE 1 Qa TIME (PRESENT) – MAJOR INCISED DRAINAGE CHANNELS (A THROUGH H) EXHIBIT LEFT LATERAL OFFSET ALONG GARLOCK FAULT.

MAP B. RECONSTRUCTION OF 0.3 KM OF LEFT-LATERAL OFFSET IN MAJOR INCISED DRAINAGE CHANNELS.

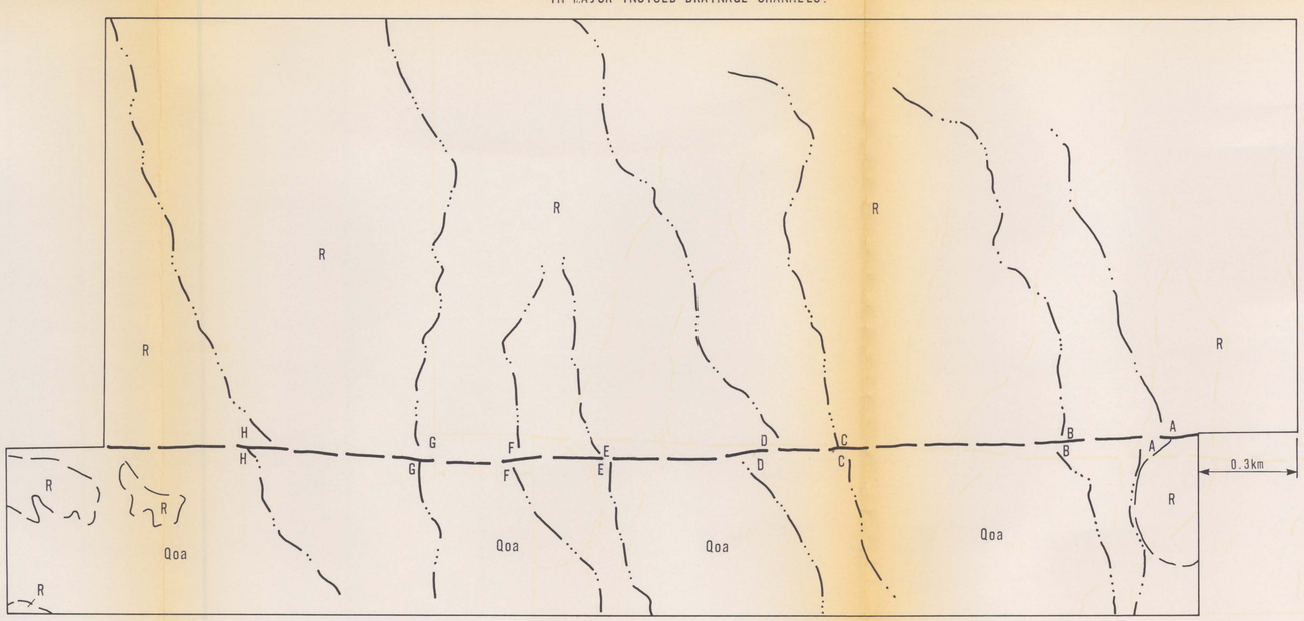

FIGURE 2 Qoa TIME (~140,000 ± 50,000 YRS B.P.) – RECONSTRUCTION RESULTS IN REALIGNMENT OF MAJOR DRAINAGE CHANNELS (A THROUGH H). CONTACTS AND FAULTS INFERRED TO SHOW CONDITIONS PRIOR TO INCISION OF Qoa SURFACE

EXPLANATION

GEOLOGIC UNITS

Qa — HOLOCENE ALLUVIUM

Qoa — LATE PLEISTOCENE ALLUVIUM

R — BEDROCK, CHIEFLY QUARTZ MONZONITE (DIBBLEE AND LOUKE, 1970)

SYMBOLS

CONTACT, DASHED WHERE GRADATIONAL (MAP A) OR INFERRED (MAP B)

FAULT, TRACE OF OBVIOUS TOPOGRAPHIC OR PHOTOGEOLOGIC EVIDENCE OF RECENT MOVEMENT SHOWN BY ALIGNED SCARPS, VEGETATION AND TONAL LINEAMENTS, AND OFFSET RIDGES AND STREAMS. BALL ON RELATIVELY DOWNTHROWN SIDE (MAP A). DASHED WHERE INFERRED (MAP B)

SELECTED SEGMENT OF MAJOR DRAINAGE COURSE, LETTERS AT ENDS OF SEGMENTS NEAR FAULT ZONE CORRESPOND TO SIMILARLY LETTERED SEGMENTS ACROSS THE FAULT INDICATING A CONTINUOUS DRAINAGE COURSE AT THE TIME OF INITIAL INCISION OF THE Qoa SURFACE DURING LATE PLEISTOCENE TIME (SEE MAP B)

ANTICLINAL ARCHING OF ALLUVIAL SURFACE SHOWING APPROXIMATE ORIENTATION OF AXIS

0 ½ 1 MILES

0 ½ 1 KILOMETERS

1:12,000

FUGRO PROJECT NO : 79-212

GARLOCK FAULT INVESTIGATION

OFFSET DRAINAGE CHANNELS
WESTERN OAK CREEK CANYON

3-80 PLATE 7