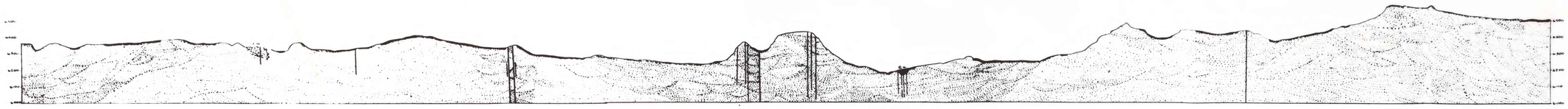
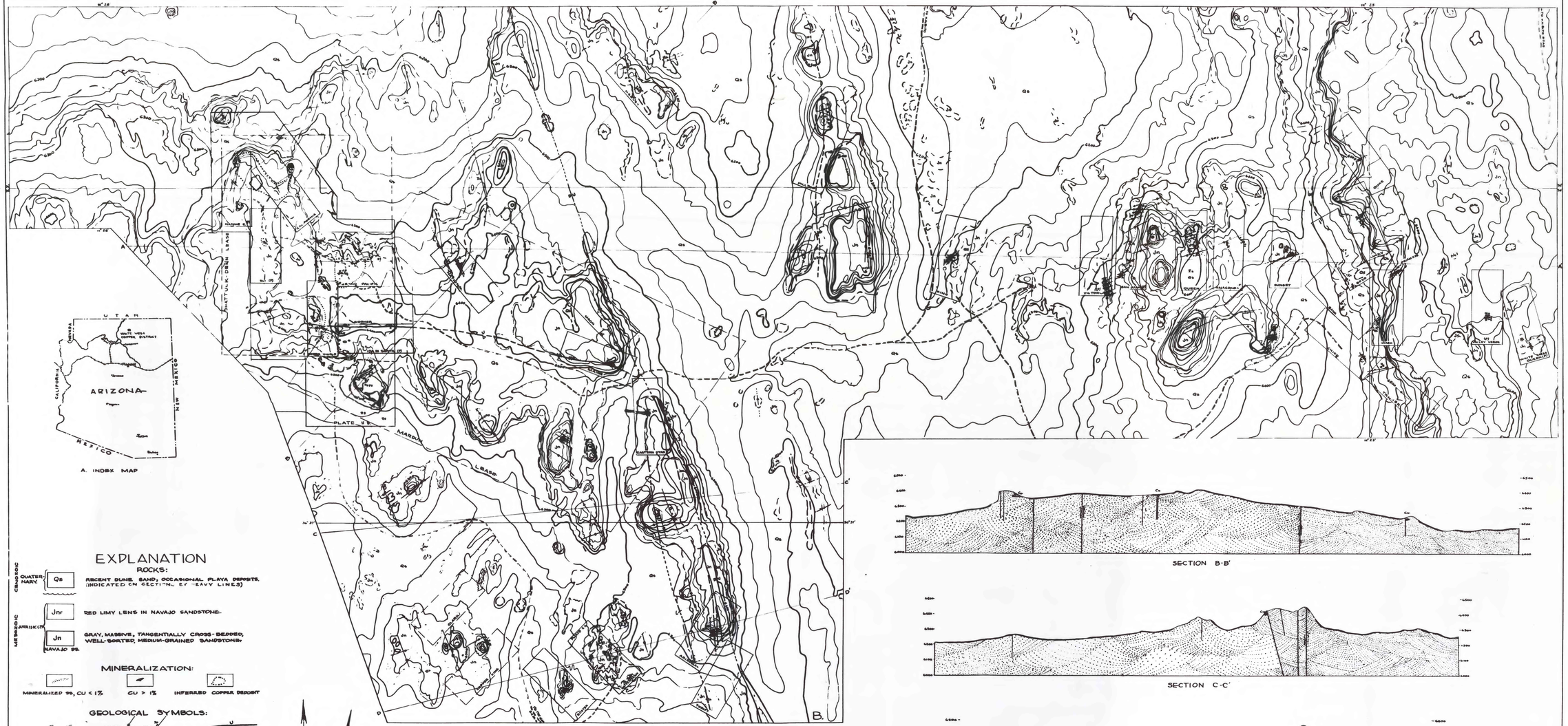
43-24

PLATE I



SECTION A-A'



A. INDEX MAP

EXPLANATION

ROCKS:

CENOZOIC — QUATERNARY — Qs — RECENT DUNE SAND, OCCASIONAL PLAYA DEPOSITS. (INDICATED ON SECTION BY HEAVY LINES)

MESOZOIC — Jnr — RED LIMY LENS IN NAVAJO SANDSTONE.

MESOZOIC — JURASSIC (?) — Jn — NAVAJO SS. — GRAY, MASSIVE, TANGENTIALLY CROSS-BEDDED, WELL-SORTED, MEDIUM-GRAINED SANDSTONE.

MINERALIZATION:

MINERALIZED SS, CU < 1% — CU > 1% — INFERRED COPPER DEPOSIT

GEOLOGICAL SYMBOLS:

CONTACTS — VERTICAL JOINT FISSURES — FAULT FISSURES

WORKINGS:

ABANDONED PROSPECT — WITH ORE SHOWING — WITHOUT ORE — OPEN CUTS — ADIT

CULTURE:

CLAIMS: — UNPATENTED — APPROXIMATE POSITION — PATENTED

MINING OR PROSPECTING LEASE — BOUNDARY OF DETAILED AREAS

SECONDARY ROAD — BUILDING — TRIANGULATION POINT — U.S.L.M.

UNITED STATES DEPARTMENT of the INTERIOR, GEOLOGICAL SURVEY

GEOLOGY and TOPOGRAPHY of the WHITE MESA COPPER DISTRICT

COCONINO COUNTY, ARIZONA

BY C. B. READ, R. D. SAMPLE, & H. H. SULLWOLD, JR.

0 600 1200 1800 2400 3000 3600 4200 4800 1 MILE

SCALE: 1 INCH = 600 FEET

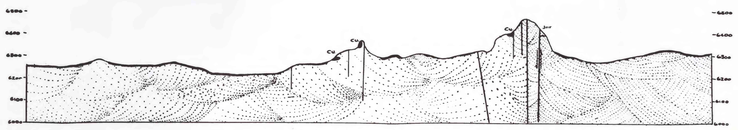
CONTOUR INTERVAL 20 FEET

DATUM APPROXIMATELY MEAN SEA LEVEL

1943

SECTION B-B'

SECTION C-C'



SECTION D-D'

GEOLOGIC SECTIONS

HORIZONTAL SCALE SAME AS MAP VERTICAL SCALE X 3