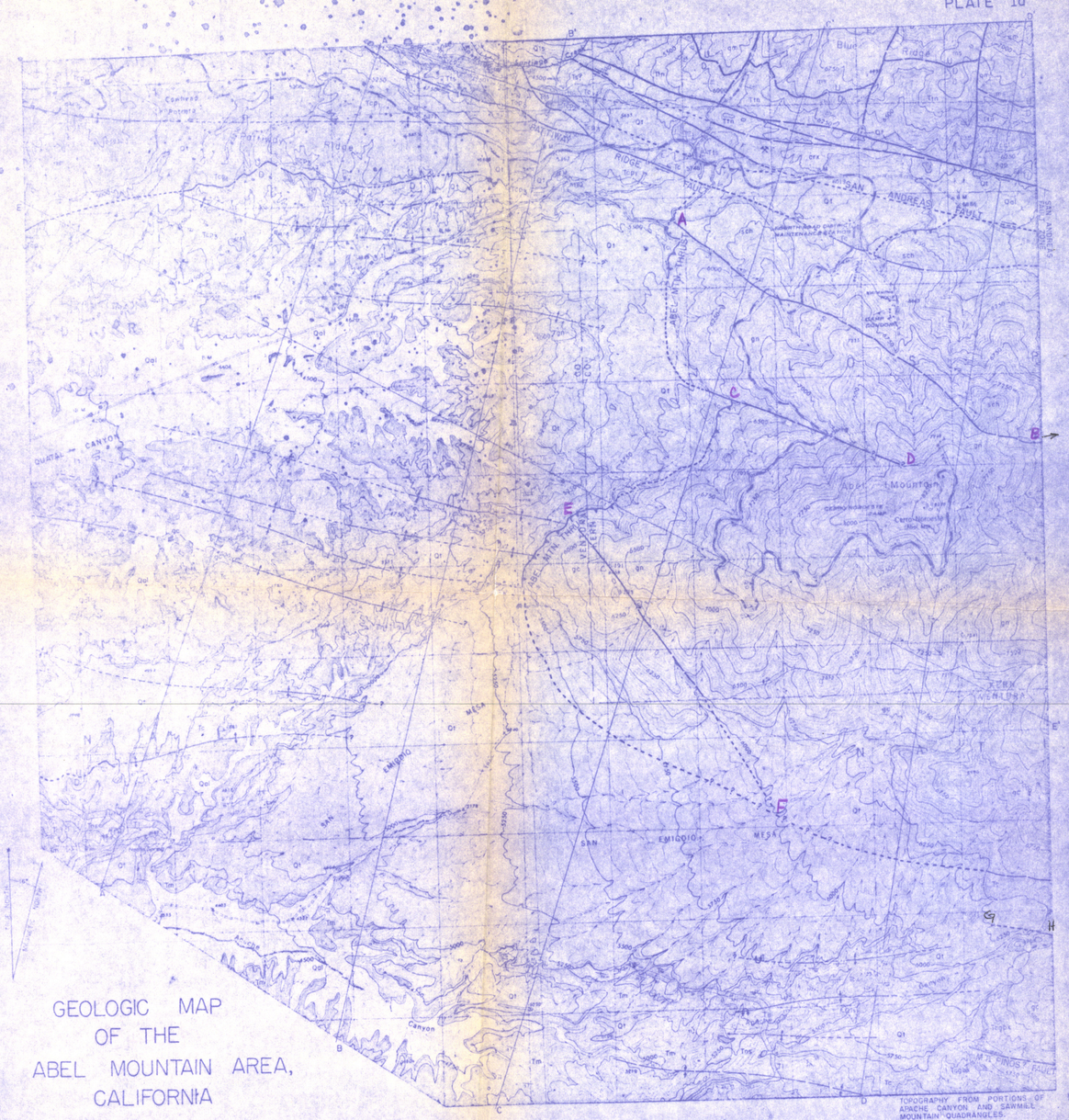
PLATE Ia



GEOLOGIC MAP OF THE ABEL MOUNTAIN AREA, CALIFORNIA

by Joseph I. Ziony

(original) SCALE 1:24000 (reduced)

CONTOUR INTERVAL 50 FT.

ONE THOUSAND YARD GRID SUPERIMPOSED

TOPOGRAPHY FROM PORTIONS OF APACHE CANYON AND SAWMILL MOUNTAIN QUADRANGLES

GEOLOGIC MAPPING 1956-57

SEE PLATE Ib FOR EXPLANATION AND SYMBOLS

PLATE Ib

EXPLANATION

QUATERNARY — RECENT

Qal / Qls — Alluvium; Qls- Landslide

UNCONFORMITY

Qt — Terrace gravels

UNCONFORMITY

LATE PLEIST.

PLIO-PLEIST.

TERTIARY — MIO-PLIOCENE

Tm — Morales Formation (tan ss., siltst, and cgl)

UNCONFORMITY

Tnscl / Tns — Nettle Spring Formation (lt gray ss. with brown siltst. Tnscl-brown clay and siltst. tongue)

Ti — Lockwood Clay (dark-brown clay)

Tc / Tcgbx — Caliente Formation (varicolored ss. and cgl, with intercalated reddish-brown claystone Tcgbx-sedimentary granite breccia)

ONLY BETWEEN PATTIWAY RIDGE AND SAN ANDREAS FAULTS

Tcp3 / Tcp1 — Cowhead Potrero Formation (member three - red ss., siltst, and cgl member one - pink or gray fanglomerate)

Tcp2 — Cowhead Potrero Formation (member two - lavender siltst. and ss.)

UNCONFORMITY

Tts — "Temblor" Beds (marine ss. and sh. of Cuyama Basin deposition)

UNCONFORMITY

Ts? — Simmler(?) Formation (lt. gray ss. and cgl)

Ttn — "Temblor" Beds (marine sh. and ss. of San Joaquin Basin deposition)

PRE-TERTIARY

gc — granitic complex

gn — gneiss

sch — schist

?cgl / ?gp — conglomerate and granite porphyry of unknown correlation

qm — quartz monzonite

crx — crushed limestone, granite, and dolomite

ms — limestone and quartzite metasediments

SOUTH OF SAN ANDREAS FAULT

NORTH OF SAN ANDREAS FAULT

MAP SYMBOLS

CONTACT, broken where approximate

FAULT, broken where approximate; dashed where concealed; U D Dominant fault movement where known

FAULT, inferred

THRUST FAULT

ANTICLINE, showing plunge; broken where approximate; dashed where concealed; Overturned

SYNCLINE, showing plunge; broken where approximate; dashed where concealed; Overturned

STRIKE AND DIP OF BEDS

APPROXIMATE STRIKE AND DIP

STRIKE AND DIP OF FOLIATION

DOLOMITE PIT