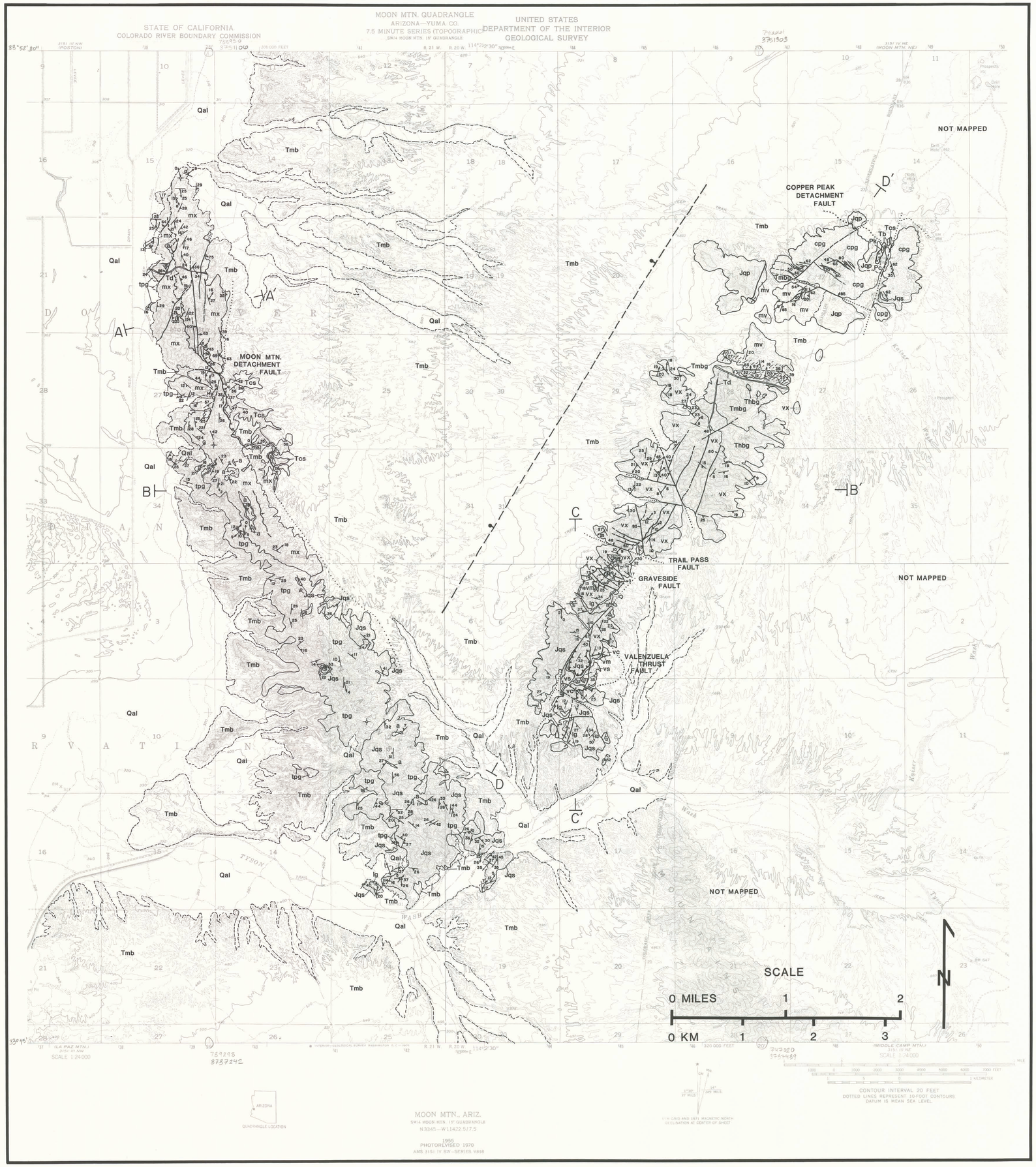

GEOLOGIC MAP OF THE MOON MTNS. COLORADO RIVER INDIAN RESERVATION LA PAZ CO., ARIZONA

JAMES H. KNAPP

1988

Arizona Geological Survey Contributed Map CM-93-C

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The author is solely responsible for the map data and ideas expressed herein.

ROCK UNITS

SEDIMENTARY AND VOLCANIC UNITS

CENOZOIC

QUATERNARY

- Qal — ALLUVIUM

TERTIARY

- Tmb — MIOCENE BOUSE FM.
- Tb — BASALT
- Tcs — CONGLOMERATE AND SANDSTONE

CRETACEOUS(?)

MESOZOIC

JURASSIC

- Jqp — QUARTZ PORPHYRY
- mv — MOJAVE PAINT BASIN METAVOLCANIC ROCKS

TRIASSIC(?)

VALENZUELA METASEDIMENTARY SEQUENCE

- vm — MICACEOUS MARBLE
- vs — INTERBEDDED SCHIST AND QUARTZITE
- vq — THINLY BEDDED QUARTZITE
- vc — CALC-SILICATE

PERMIAN

- Pk — CHERTY MARBLE (KAIBAB?)
- Pc — QUARTZITE (COCONINO?)

PRE-CAMBRIAN

- vx — VALEN CRYSTALLINE ASSEMBLAGE
- mx / a — MOON MTN. CRYSTALLINE ASSEMBLAGE

PLUTONIC AND METAMORPHIC UNITS

- Td — BASIC TO INTERMEDIATE DIKES
- Thbg — HORNBLENDE BIOTITE GRANITE
- Tmbg — BIOTITE GRANITE
- cpg — COPPER PEAK GRANITE
- tpg — TYSON PEAK GRANITE
- lg — LEUCOGRANITE
- Jqs — MEGACRYSTIC QUARTZ SYENITE

MAP SYMBOLS

CONTACTS

- LITHOLOGIC CONTACT – DEFINITE, APPROXIMATE, CONCEALED
- FAULT CONTACT – DEFINITE, APPROXIMATE, CONCEALED ARROW INDICATES DIP

ATTITUDES

- BEDDING – INCLINED (WITH DIP), HORIZONTAL
- FOLIATION – INCLINED (WITH DIP), HORIZONTAL, VERTICAL
- LINEATION (WITH PLUNGE)
- DIKE ORIENTATION (WITH DIP)
- ZONE OF INTENSE MYLONITIZATION

FAULT ORNAMENTATION

- THRUST FAULT TEETH ON UPPER PLATE
- LOW-ANGLE NORMAL FAULT TICK MARKS ON UPPER PLATE

1:24,000 TOPO BASE MAPS

MOON MTN.	MOON MTN. SE

U.S. GEOLOGICAL SURVEY

PLATE 2-1