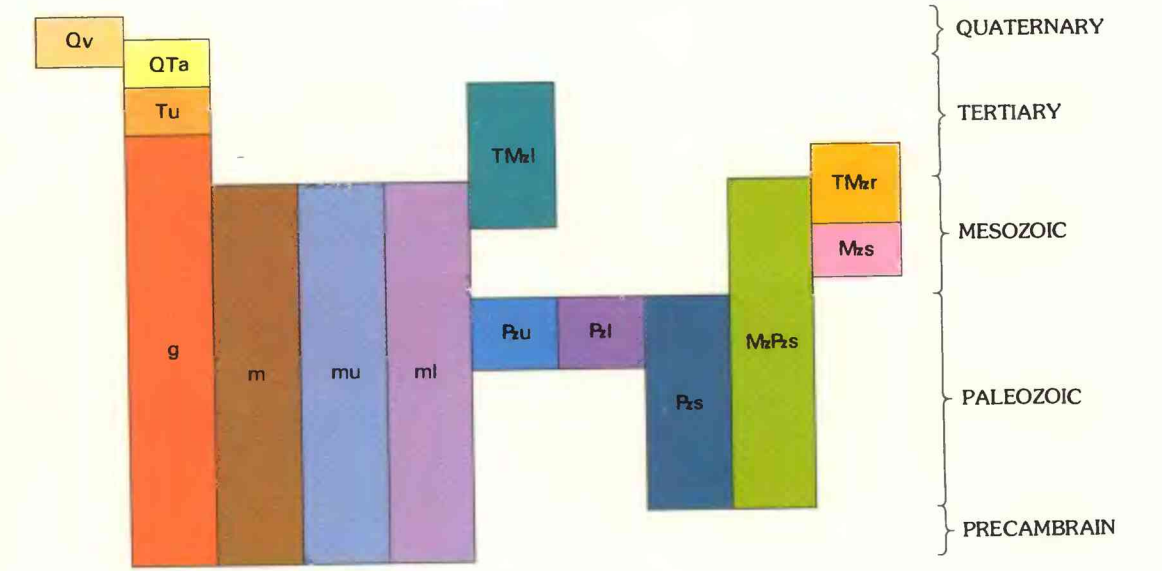


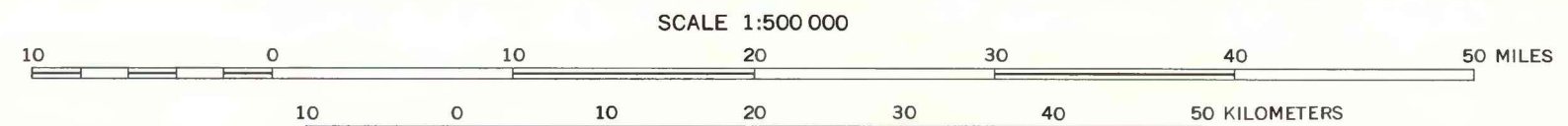
CORRELATION OF MAP UNITS



- Qv Volcanic rocks (Quaternary)
- QTa Alluvium (Quaternary and Tertiary)—includes Colorado River Deposits, Bouse Formation, and conglomerate of Osborne Wash
- Tu Volcanic and sedimentary rocks (Tertiary)
- TMr Rhyodacite (Tertiary and Mesozoic)
- TMl Sedimentary rocks of the Livingston Hills Formation type (Tertiary and Mesozoic)
- Mes Volcanic and sedimentary rocks, locally metamorphosed (Mesozoic)
- MPs Sedimentary and volcanic rocks, locally metamorphosed (Mesozoic and Paleozoic)
- Ps Sedimentary rocks, locally metamorphosed (Paleozoic)
- Pu Sedimentary rocks of the upper plate of the Whipple Mountains detachment fault (Paleozoic)
- Pl Sedimentary rocks of the lower plate of the Whipple Mountains detachment fault (Paleozoic)
- g Granite and gneissic granite, including some metamorphic rocks (Tertiary to Precambrian)
- m Metamorphic rocks undifferentiated (Mesozoic to Paleozoic)
- mu Metamorphic rocks of the upper plate of the Whipple Mountains detachment fault (Mesozoic to Precambrian)
- ml Metamorphic rocks of the lower plate of the Whipple Mountains detachment fault (Mesozoic to Precambrian)

- Contact
- Fault—Dotted where concealed. Bar and ball on downthrown side; arrows show relative movement
- Thrust or detachment fault—Dashed where concealed. Queried where location is poorly controlled
- Prominent aeromagnetic lineament
- Edge of Mojave-Sonoran Belt—Dashed where very approximate
- Western edge of eastern Mojave "aseismic" area
- Magnetic contours—Showing total intensity magnetic field of the Earth in gammas relative to arbitrary datum. Hachures indicate closed areas of lower magnetic intensity. Contour interval 25 gammas

Base by U.S. Geological Survey, 1:500 000
Needles, 1956-62; Phoenix, 1954-68;
Prescott, 1954-62; Salton Sea, 1959-67



NATIONAL GEODESIC VERTICAL DATUM OF 1929
1990 MAGNETIC DECLINATION VARIES FROM 13°00' EASTERLY FOR THE SOUTHEASTERN CORNER TO
13°30' EASTERLY FOR THE NORTHWESTERN CORNER. MEAN ANNUAL CHANGE IS 0°04' WESTERLY



In California contours are interpolated from residual map prepared by Gordon O. Bell, U.S. Geological Survey from Open-File Report 75-52 by U.S. Geological Survey. In Arizona contours are 2x enlargement from residual aeromagnetic map of Arizona (Sack and Summer, 1971). Arizona contours are residual + 400 gammas. Contours joined by W. J. Carr

GENERALIZED REGIONAL GEOLOGIC AND STRUCTURAL UNIT MAP AND RESIDUAL AEROMAGNETIC MAP
OF PART OF SOUTHEASTERN CALIFORNIA AND WESTERN ARIZONA