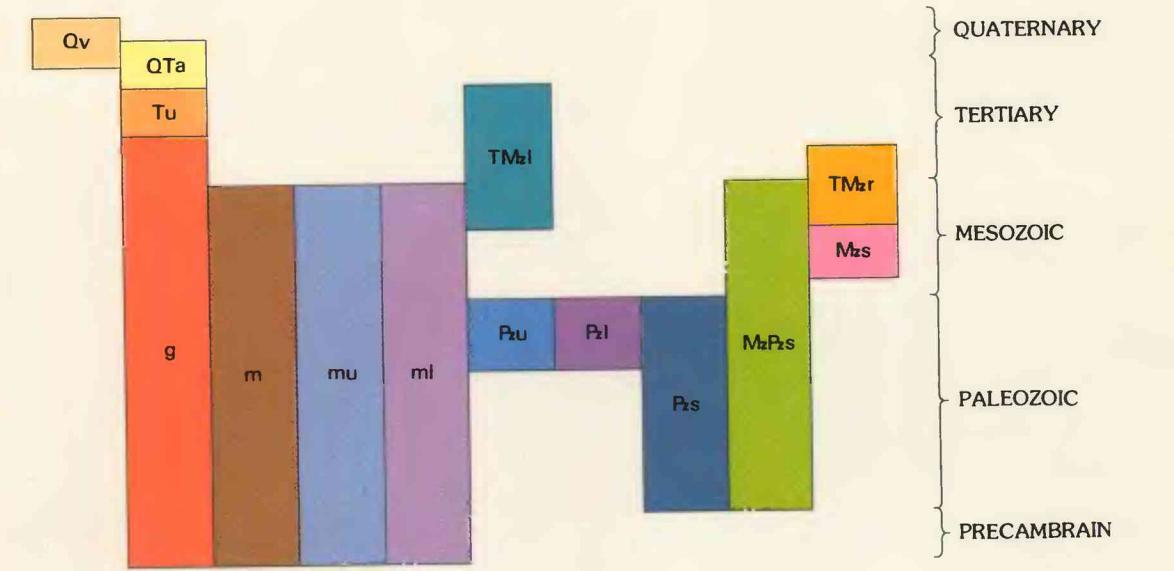
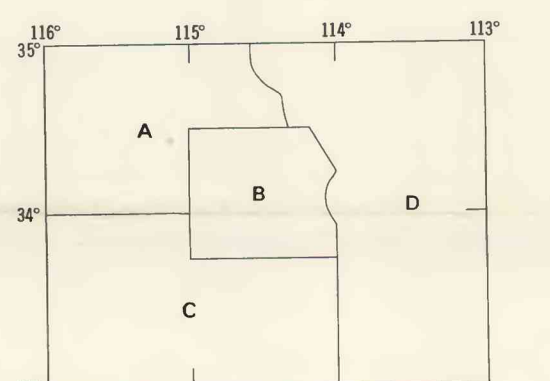


CORRELATION OF MAP UNITS



- Qv Volcanic rocks (Quaternary)
- Qt Alluvium (Quaternary and Tertiary)—Includes Colorado River Deposits, Bouse Formation, and fanglomerate of Osborne Wash
- Tu Volcanic and sedimentary rocks (Tertiary)
- TMr Rhyodacite (Tertiary and Mesozoic)
- TMs Sedimentary rocks of the Livingston Hills Formation type (Tertiary and Mesozoic)
- Ms Volcanic and sedimentary rocks, locally metamorphosed (Mesozoic)
- Mps Sedimentary and volcanic rocks, locally metamorphosed (Mesozoic and Paleozoic)
- Pss Sedimentary rocks, locally metamorphosed (Paleozoic)
- Ptu 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
- Bouguer gravity contours—Contour interval 5 milligals. All values are negative. H indicates gravity highs. L indicates gravity lows

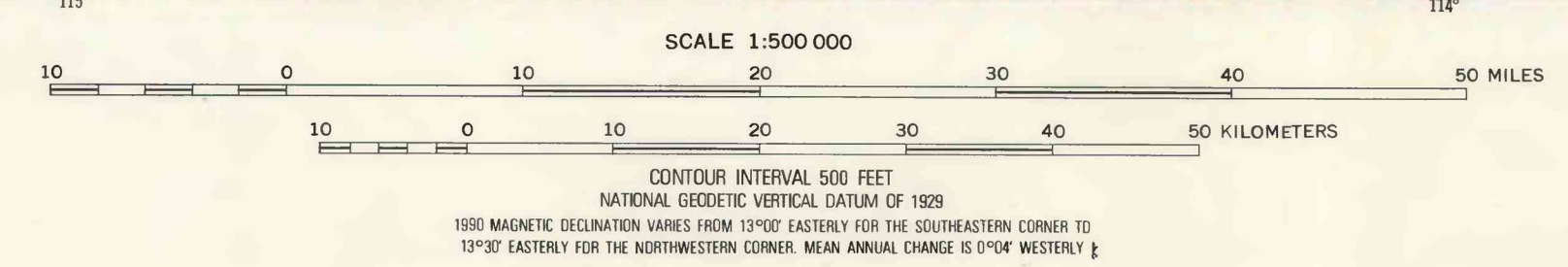


SOURCES OF GRAVITY DATA CONTOURS JOINED BY W. J. CARR IN AREAS OF OVERLAP

- A. Bouguer gravity map of California, Needles sheet, compiled by R. H. Chapman and J. D. Fierman, 1978; California Division of Mines and Geology
- B. Healey, D. L., and Currey, F. E., 1980, Complete Bouguer gravity anomaly map of the Vidal area, California and Arizona; U.S. Geological Survey Open-File Report 80-619
- C. Regional Bouguer gravity map, Suddesert Nuclear Plant, California, compiled by S. H. Biehler; Early Site Review Report, Amend. 11, Fig. 2.5 K-1, San Diego Gas and Electric Co., July 1976
- D. West, R. E., and Sumner, J. S., 1973, Bouguer gravity anomaly map of Arizona; Laboratory of Geophysics, Department of Geosciences, University of Arizona, Tucson, Arizona

NOTES: Most of the data in California are terrain corrected; most of the data in Arizona are not terrain corrected. Station coverage varies greatly; hence contours are much generalized particularly in areas A, D, and the southeastern part of C. All areas except D have been reduced from a larger scale; area D has been enlarged 2X.

Base by U.S. Geological Survey, 1:500,000
Needles, 1956-62, Phoenix, 1954-69,
Prescott, 1954-62, Salton Sea, 1959-67



Geology compiled by W. J. Carr from various sources: Arizona—Wilson and others (1969); Rawhide Mountains area—Stackford (1960); California—Needles sheet, Bishop (1960); Salton Sea sheet, Jennings (1967), plus reconnaissance and interpretation by W. J. Carr

GENERALIZED REGIONAL GEOLOGIC AND STRUCTURAL UNIT MAP AND BOUGUER GRAVITY MAP OF PART OF SOUTHEASTERN CALIFORNIA AND WESTERN ARIZONA