

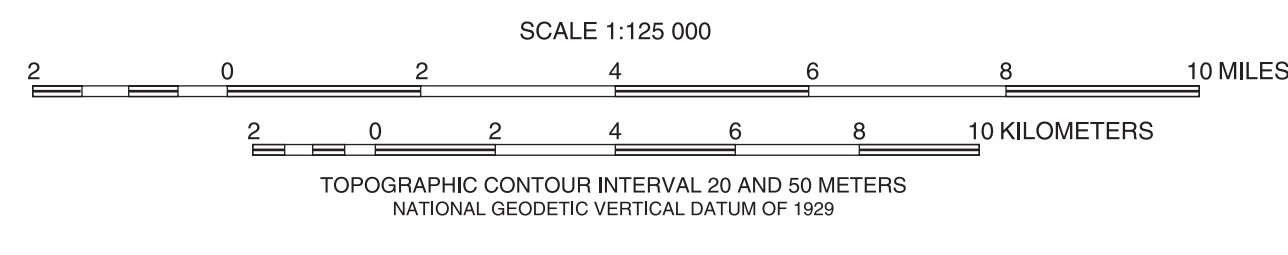
Based on U.S. Geological Survey 1:100,000
Davis Dam, 1982; Anthony, Inverness, Mesquite
Lake, Needles, 1982; Soak Mountains, 1982
Universal Transverse Mercator projection

EXPLANATION

- Isostatic residual gravity contours—Contour interval 2 mgals. Hashmarks indicate closed gravity low. Reduction density 2.67 g/cm³. Terrain corrections to 167 km. Assumed thickness of normal crust 25 km. Assumed density contrast between crust and upper mantle 0.4 g/cm³
- Gravity station
- Quaternary and Tertiary sedimentary rocks and surficial deposits
- Quaternary and Tertiary volcanic rocks
- Mesozoic plutonic rocks
- Mesozoic to Late Proterozoic sedimentary and volcanic rocks
- Proterozoic plutonic and metamorphic rocks
- Contacts—Faults have been omitted for simplicity
- Approximate boundary of Woods Mountains caldera—From McCurry (1988)
- Boundary of East Mojave National Scenic Area (EMNSA, this report)
- Boundary of Mojave National Preserve (current as of March 2007)

SOURCES OF GRAVITY DATA
Mariano, John, Helferty, M.G., and Gage, T.D., 1986, Bouguer and isostatic residual gravity maps of the Colorado River region, including the Kingman, Needles, Salton Sea, and 33 Century quadrangles, U.S. Geological Survey Open-File Report 86-347, 6 sheets, scale 1:250,000, 1 sheet, scale 1:750,000.
Snyder, D.G., Roberts, C.W., Salton, R.W., and Sikora, R.F., 1982, A magnetic tape containing the principal facts of 64,026 gravity stations in the state of California, U.S. Geological Survey NTRS F8-42-166287 (available from U.S. Department of Commerce, National Technical Information Service, Springfield, Virginia 22152).

Geology generalized from Plate 1 of this report
Digital database by R.J. Miller
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By
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2007

Theodore, T.O., ed., 2007, Geology and mineral resources of the East Mojave National Scenic Area, San Bernardino County, California, U.S. Geological Survey Bulletin 2160.
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