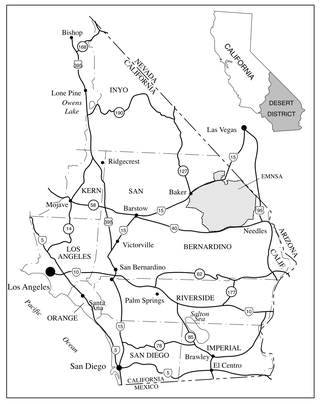
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY






INDEX MAP SHOWING LOCATION OF EAST MOJAVE NATIONAL SCENIC AREA (EMNSA)

## EXPLANATION

- **Contact**
- **Contact**—Approximately located
- **Contact**—Concealed
- **Fault**—Certain
- **Fault**—Approximately located
- **Fault**—Concealed
- **Thrust Fault**—Certain
- **Thrust Fault**—Approximately Located
- **Thrust Fault**—Concealed
- **Low Angle Normal Fault**—Certain
- **Low Angle Normal Fault**—Approximagely Located
- **Boundary of Woods Mountain caldera**—Approximate
- **EMNSA boundary**

Base from U.S. Geological Survey, 1:100,000, Davis Dam, 1982; Amboy, Ivanpah, Mesquite Lake, Needles, 1985; Soda Mountains, 1993
Universal Transverse Mercator projection

CORRELATION OF MAP UNITS
(*See DESCRIPTION OF MAP UNITS for specific unit age assignments)

| | | |
|---|---|---|
| Holocene | QUATERNARY | |
| Pleistocene | | |
| Pliocene | TERTIARY | |
| Miocene | | |
| Volcanic rocks in Mid Hills and Van Winkle Mountain areas | Miocene | TERTIARY |
| Volcanic rocks in Castle Mountains-Piute Range area | Miocene | TERTIARY |
| Granitoid rocks in Granite Mountains area | CRETACEOUS | MESOZOIC |
| Granitoid rocks of Teutonia batholith | CRETACEOUS | MESOZOIC |
| Granitoid rocks in Providence Mountains area | CRETACEOUS | MESOZOIC |
| | JURASSIC | MESOZOIC |
| | TRIASSIC | MESOZOIC |
| | PERMIAN TO DEVONIAN | PALEOZOIC |
| unconformity | | |
| | CAMBRIAN | PALEOZOIC |
| | LATE PROTEROZOIC | PALEOZOIC |
| unconformity | | |
| | MIDDLE PROTEROZOIC | PROTEROZOIC |
| | EARLY PROTEROZOIC | PROTEROZOIC |

Geology generalized from Plate 1 of this report

MAP LOCATION

SCALE 1:125 000
2 0 2 4 6 8 10 MILES
2 0 2 4 6 8 10 KILOMETERS
TOPOGRAPHIC CONTOUR INTERVAL 20 AND 50 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

APPROXIMATE MEAN DECLINATION, 2003

# GEOLOGIC MAP OF THE EAST MOJAVE NATIONAL SCENIC AREA, CALIFORNIA

**Compiled by**

**David M. Miller, Robert J. Miller, Jane E. Nielsen, Howard G. Wilshire, Keith A. Howard, and Paul Stone**

**2003**

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