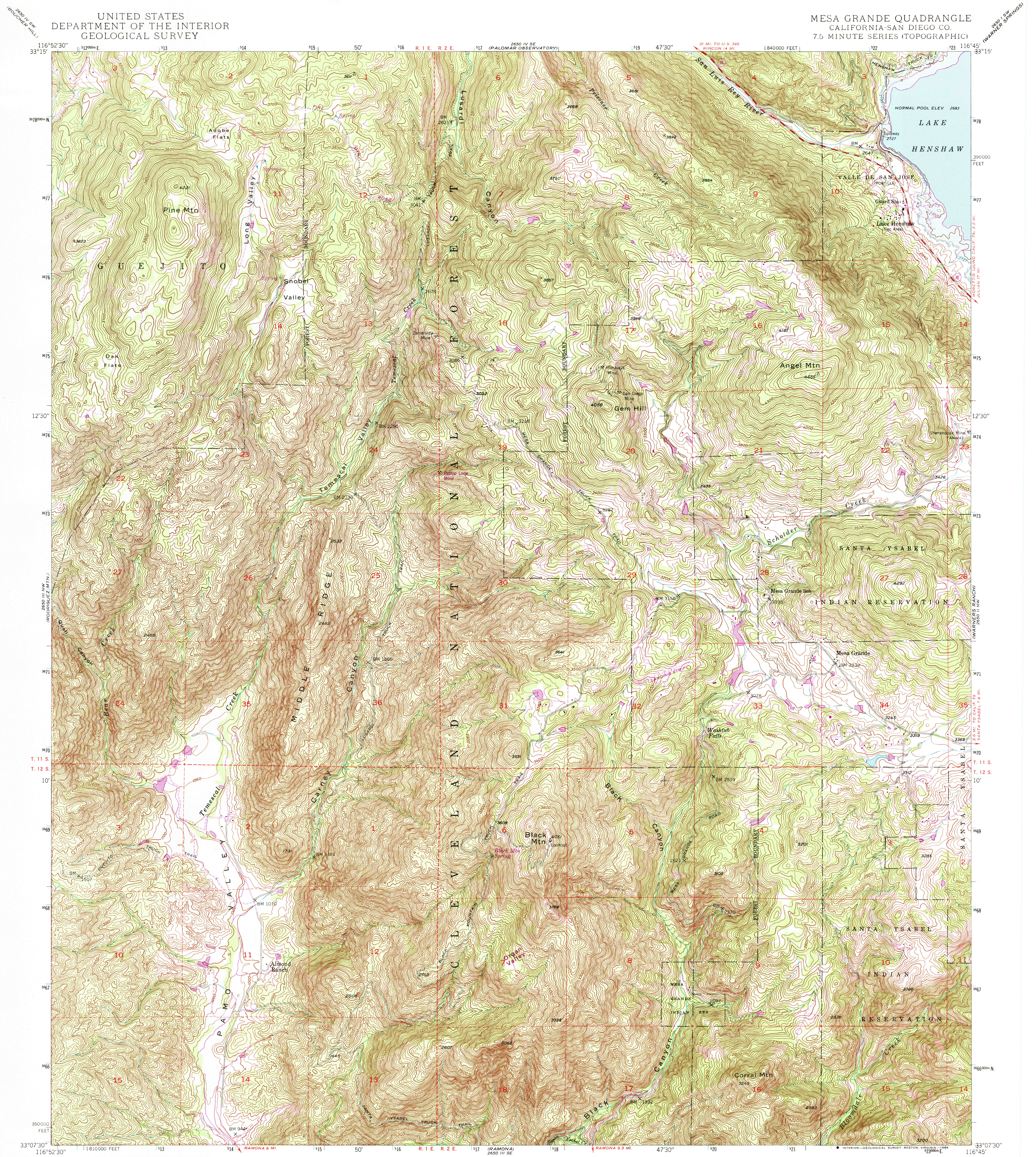
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MESA GRANDE QUADRANGLE
CALIFORNIA-SAN DIEGO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)


2650 IV SW (BOUCHER HILL)
2650 IV SE (PALOMAR OBSERVATORY)
2650 I SW (WARNER SPRINGS)
2650 II NW (WARNERS RANCH)
2650 II SW (SANTA YSABEL)
2650 III SE (RAMONA)
2650 III SW (SAN PASQUAL)
2650 III NW (RODRIGUEZ MTN.)
116°52'30"
33°15'
50'
47'30"
116°45'
12'30"
10'
33°07'30"
1840000 FEET
1810000 FEET
390000 FEET
350000 FEET
R. 1 E.
R. 2 E.
T. 11 S.
T. 12 S.
31 MI. TO U.S. 395
RINCON 14 MI.
MORETTIS (JUNC CALIF. 79) 3.2 MI.
JULIAN 17 MI.
5.6 MI. TO CALIF. 79
SANTA YSABEL 7.6 MI.
RAMONA 6 MI.
RAMONA 9.3 MI.
San Luis Rey River
NORMAL POOL ELEV 2683
LAKE HENSHAW
Spillway 2727
BM 2647
VALLE DE SAN JOSE (PORTILLA)
Guard Sta
Lake Henshaw (Rec Area)
HENSHAW TRUCK TR
Prisoner Creek
Lusardi Canyon
Adobe Flats
Pine Spring
PINE MTN ROAD
Springs
Long Valley
Pine Mtn
4221
GUEJITO
Snobel Valley
Spring
Oak Flats
Creek
Esmeralda Mine
Temescal Valley
CLEVELAND NATIONAL FOREST
FOREST BOUNDARY
Himalaya Mine
San Diego Mine
Gem Hill
4058
Angel Mtn
4555
Shenandoah Mine (Aban'd)
Patton Lode Mine
MESA GRANDE TRUCK TRAIL
Scholder Creek
SANTA YSABEL INDIAN RESERVATION
Mesa Grande Sch
Mesa Grande
BM 3230
LANDING STRIP
Washtub Falls
MIDDLE RIDGE
Carney Canyon
Temescal Creek
Bear Creek
Quail Canyon
PAMO VALLEY
Almond Ranch
GUEJITO TRUCK TRAIL
Black Canyon
Black Mtn
4051
Lookout
Black Mtn Spring
BLACK MOUNTAIN TRUCK TRAIL
Organ Valley
MESA GRANDE ROAD
MESA GRANDE INDIAN RES
Corral Mtn
3249
Bloomdale Creek
SANTA YSABEL TRUCK TRAIL
Santa Ysabel Cr
BM 944
BM 1010
BM 1181
BM 1507
BM 1866
BM 2290
BM 2336
BM 2621
BM 3041
BM 3218
BM 3156
BM 2819
BM 2370
BM 1932
INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1988

Mapped, edited, and published by the Geological Survey

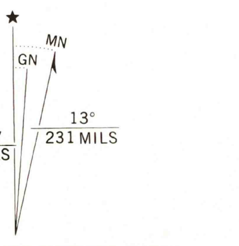
Control by USGS, NOS/NOAA, and U.S. Army

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946-1947. Field checked 1948

Polyconic projection. 1927 North American Datum
10,000-foot grid based on California coordinate system, zone 6
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue
To place on the predicted North American Datum 1983
move the projection lines 2 meters south and
80 meters east as shown by dashed corner ticks

Areas covered by dashed light-blue pattern
are subject to controlled inundation

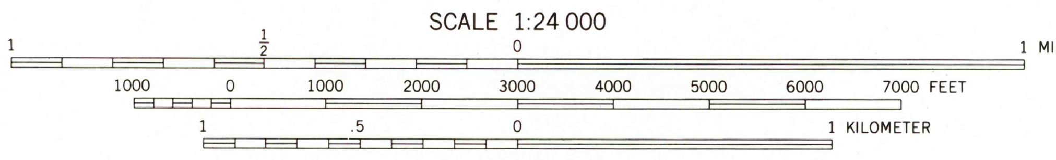
There may be private inholdings within the boundaries of
the National or State reservations shown on this map


★
GN
MN
0°06'
2 MILS
13°
231 MILS

UTM GRID AND 1988 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled from
aerial photographs taken 1985 and other source data.
Partial check by U.S. Forest Service. Map edited 1988

SCALE 1:24 000


1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS		DRY WEATHER ROADS
Heavy-duty	4 LANE 16 LANE	Improved dirt
Medium-duty	4 LANE 16 LANE	Unimproved dirt
U. S. Route		State Route

QUADRANGLE LOCATION

USGS NMD HISTORICAL MAP
DEC 14 1988
REC'D FILE COPY

MESA GRANDE, CALIF.
33116-B7-TF-024
1948
PHOTOREVISED 1988
DMA 2650 III NE—SERIES V895