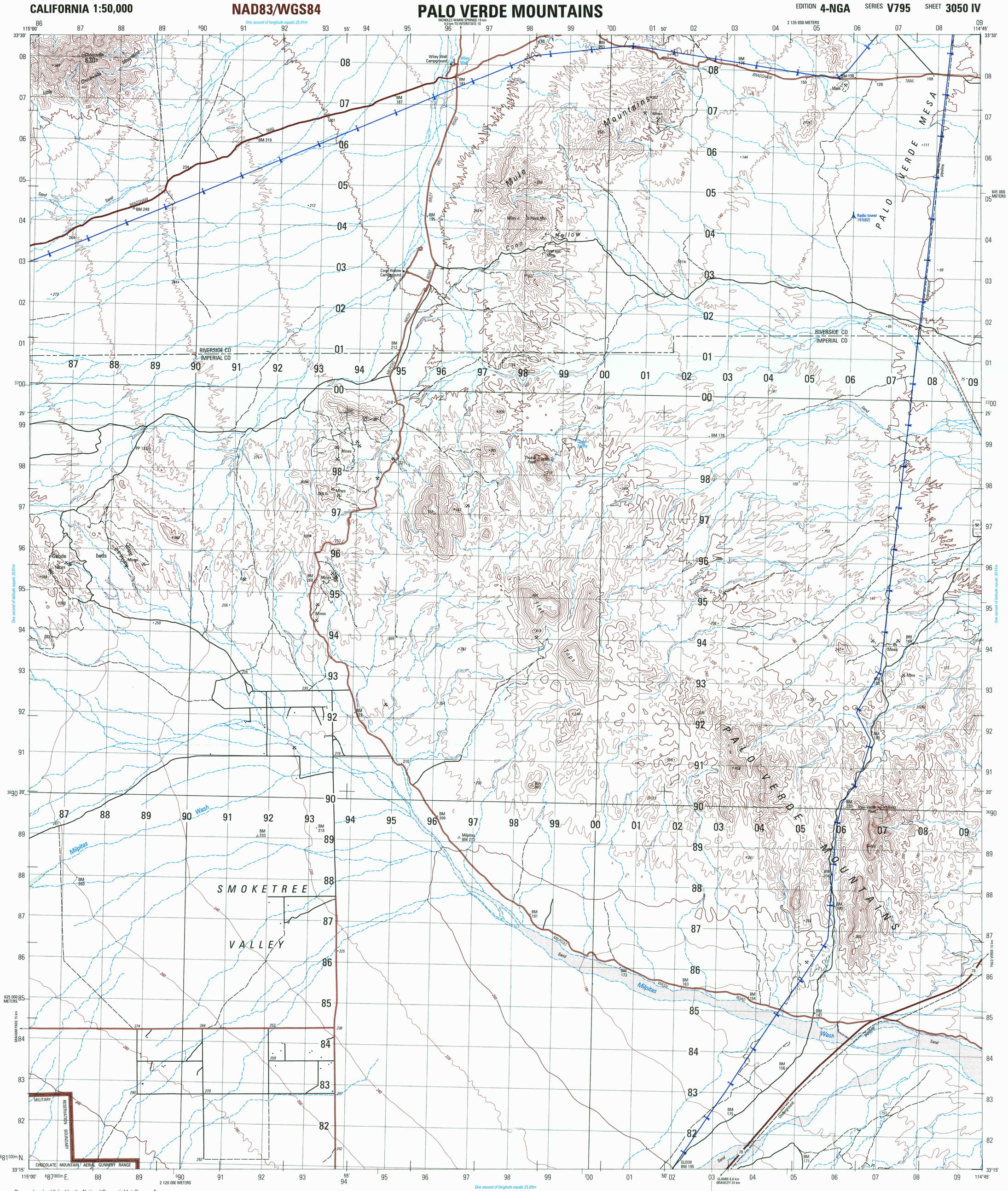
CALIFORNIA 1:50,000

NAD83/WGS84

PALO VERDE MOUNTAINS

EDITION 4-NGA SERIES V795 SHEET 3050 IV



Prepared and published by the National Geospatial-Intelligence Agency

MAP INFORMATION AS OF 2002

LEGEND

POPULATED PLACES
- Densely built-up areas
- Sparsely to moderately built-up areas

ROADS
- All weather, hard surface: Divided highway; Two or more lanes wide; One lane wide
- All weather, loose surface: Two or more lanes wide; One lane wide
- Fair or dry weather, loose surface
- Track; Trail
- Route markers: Interstate; National; Secondary

RAILROADS (Single Track, Multiple Track)
- Normal gauge 1.44m (4' 8½")
- Narrow gauge
- Electrified

BOUNDARIES
- International
- First-order
- Second-order

MISCELLANEOUS CULTURAL FEATURES
- Building; Ruin; School
- Church
- Cemetery
- Hospital; Heliport
- Cistern; Tank; Located object (Silo)
- Well; Landmark area (Oil)
- Airfield/Runway; Dam (Earthen)
- Mine: Active; Abandoned
- Bridge; Pedestrian bridge

OBSTRUCTIONS (46m or higher) (Single, Group)
- Elevation of obstruction top above sea level (430)
- Elevation of obstruction top above ground level (70)
- High tension powerlines (< 46m)
- Catenary powerlines (≥ 46m)

DRAINAGE (Perennial, Intermittent)
- Stream: Less than 25m wide; 25m wide or more
- Ditch: Less than 25m wide
- Spring
- Well
- Lake/pond
- Swamp; Land subject to natural inundation
- Stream: Disappearing; Dissipating

MISCELLANEOUS RELIEF
- Spot elevation: Highest; Normal (630±, 325)
- Depression
- Escarpment (< Contour interval; ≥ Contour interval)
- Levee
- Supplementary contour
- Sand; Gravel; Distorted surface
- Woodland
- Scrub; Orchard; Scattered trees
- Area name: Mule Mountains

NOTES

A LANE ON THIS MAP IS CONSIDERED TO BE AT LEAST 2.5 METERS (8 FEET) WIDE.

ROAD CLASSIFICATION SHOULD BE REFERRED TO WITH CAUTION.

IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

CAUTION: NOT ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE SHOWN.

NORTH AMERICAN DATUM 1983 (NAD 83) AND WORLD GEODETIC SYSTEM 1984 (WGS 84) ARE EQUIVALENT FOR MAPPING, CHARTING AND NAVIGATION AT THIS SCALE.

Scale 1:50,000

1 0 1 2 3 4 5 Kilometers

1 0 1 2 3 Statute Miles

1 0 1 2 3 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

ELLIPSOID ..... WORLD GEODETIC SYSTEM 1984
GRID ..... 1,000-METER UTM ZONE 11 (BLACK NUMBERED LINES)
5,000-METER STATE GRID TICKS, CALIFORNIA (ZONE 6)
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
PRINTED BY ..... NGA 10-04

SAMPLE 1,000 METER GRID SQUARE (SAMPLE POINT; 46; 12; 13; 45)

100,000 M. SQUARE IDENTIFICATION: PT 10T / PS 10S (3700, 700)

GRID ZONE DESIGNATION: 11S

100 METER REFERENCE
1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point: 12 3
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point: 45 6

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: PT 123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 11SPT 123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-1236; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet	Meters	Feet
400	1300	700	2200
	1200		2100
	1100		2000
300	1000		1900
	900	600	1800
	800		1700
	700		1600
200	600	500	1500
	500		1400
	400	400	
	300		
	200		
100	100		
0			

GN
GRID NORTH
MAGNETIC NORTH
TRUE NORTH
GRID CONVERGENCE 1°10' (20 ½ MILS) FOR CENTER OF SHEET
2000 G-M ANGLE 11 ½' (200 MILS)
TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE
TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

AUG 1 9 2005

SLOPE GUIDE

PERCENTAGE: 15%, 14%, 13%, 12%, 11%, 10%, 9%, 8%, 7%, 6%, 5%
DEGREE: 8.5°, 8.0°, 7.4°, 6.8°, 6.3°, 5.7°, 5.1°, 4.6°, 4.0°, 3.4°, 2.9°
A B C

AB - HORIZONTAL DISTANCE BETWEEN CONTOURS
AC - HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

BOUNDARIES

Riverside County
CALIFORNIA Imperial County

ADJOINING SHEETS

2951 II | 3051 III | 3051 II
2950 I | 3050 IV | 3050 I
2950 II | 3050 III | 3050 II
CALIFORNIA | ARIZONA | V798 | COLORADO RIVER

For index purposes only; not necessarily an indication of published maps.

Sheet 3050 IV falls within NI 11-9, 1501, 1:250,000.

ELEVATION GUIDE

High / Medium / Low

630 302 108 75 398 463 218 220 262 151

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Reston, VA.
Topo Archive

THIS MAP IS RED-LIGHT READABLE

NAD83/WGS84

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