

Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.

LEGEND

ON THIS MAP A LINE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 2.5 METERS (8 FEET) IN WIDTH. IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

ROADS	POWER	WATER	RAILROADS
Divided highway with median strip	Power transmission line	Windmill, Watermill	Standard gauge (Standard gauge 1.44m - 4'8 1/2")
Primary, all weather, hard surface	Structures	Well, Tank	Multiple track
Secondary, all weather, hard surface	Church, School	Open pit mine or quarry	Nonoperating
Light duty, all weather, hard or improved surface	Power substation	Horizontal control station	Railroad station (Location known, Location unknown)
Fair or dry weather, unpaved surface	Windmill, Watermill	Bench mark, monument	Car line
Trail	Well, Tank	Bench mark, non-monumented	Railroad bridge With superstructure, Without superstructure
Route markers: Interstate, Federal, State	Open pit mine or quarry	Spot elevations in meters	Tunnel, Highway, Railroad
Bridge With superstructure, Without superstructure	Horizontal control station	Lenses, rim, dikes	
Single track	Bench mark, monument	Bluffs, cliffs	
Multiple track	Bench mark, non-monumented	Woodland	
Nonoperating	Spot elevations in meters	Scattered trees, Scrub	
Railroad station (Location known, Location unknown)	Lenses, rim, dikes	Vineyard, Orchard, plantation	
Car line	Bluffs, cliffs	Intermittent lake, Dam, Earthen, Masonry	
Railroad bridge With superstructure, Without superstructure	Woodland	Stream, Perennial, Intermittent	
Tunnel, Highway, Railroad	Scattered trees, Scrub	Marsh, Swamp	
	Vineyard, Orchard, plantation	Small rapids, Small falls	
	Intermittent lake, Dam, Earthen, Masonry	Large rapids, Large falls	
	Stream, Perennial, Intermittent		
	Marsh, Swamp		
	Small rapids, Small falls		
	Large rapids, Large falls		

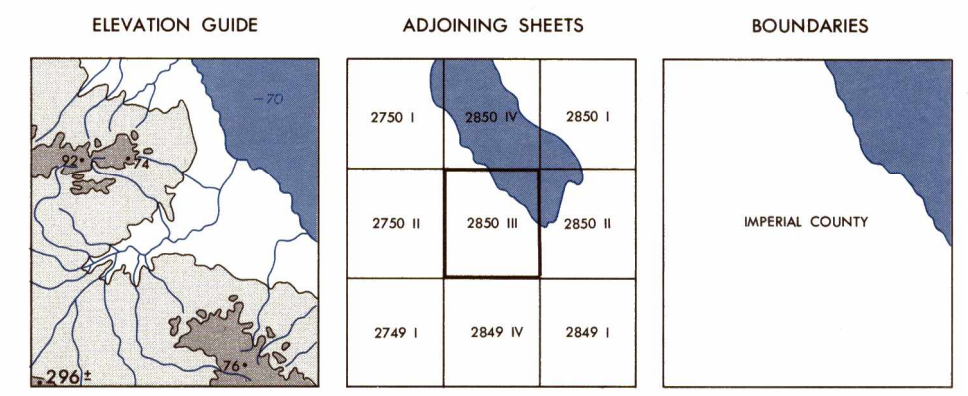
ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

SPHEROID CLARKE 1866
GRID 1000 METER UTM ZONE 11 (BLACK NUMBERED LINES)
 10,000 FOOT STATE GRID (CALIFORNIA, ZONE 4)
PROJECTION UNIVERSAL TRANSVERSE MERCATOR
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM
CONTROL BY U.S.C.S. MONUMENTS AND USE
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SHAPE 1000 METER GRID SQUARE	100 METER REFERENCE
12 13 14	1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12.3
46	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	Example: 123456
WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION.	WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: PG123456	Example: 11SPG123456
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.	Example: 11SPG123456



THIS MAP IS RED-LIGHT READABLE

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NSA OPERATIONAL HELP DESK: 1-800-455-8888 COMMERCIAL: 314-353-4864 OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP 1-8, 4600 SANGAMORE ROAD, BETHESDA, MD 20818-5003

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

1973 G-M ANGLE 131° (240 MLS)

GRID CONVERGENCE 0737 (11 MSL) FOR CENTER OF SHEET

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