

REVISED, EDITED, AND PUBLISHED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY
Original topographic map prepared by the Defense Mapping Agency Topographic Center from 1:24,000, 1:25,000 and 1:50,000-scale maps dated 1938-55, and from aerial photographs taken 1953-55. Field checked 1958. Planimetry revised by the U. S. Geological Survey from aerial photographs taken 1977 and other source data. Revised information not field checked. Map edited 1978.
Bathymetry and shoreline compiled by National Ocean Survey from hydrographic surveys (see index on this map) and other source data. Shoreline (mean high water line) in U. S. portion compiled from tide-coordinated aerial photographs. This information is not intended for navigational purposes.
Offshore protection survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams, dated April 25, 1977 and September 27, 1977. The protections on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protection Diagrams available from the Bureau of Land Management.
Area covered by dashed light-blue pattern is subject to controlled inundation 100,000-foot grid based on California coordinate system, zone 6.
Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.
There may be private inholdings within the boundaries of the National or State reservations shown on this map.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000 — LOS ANGELES

100,000 to 500,000 — OMAHA

25,000 to 100,000 — GALVESTON

5,000 to 25,000 — Durango

1,000 to 5,000 — Grand Coulee

Less than 1,000 —

RAILROADS

Single track double or multiple —

Narrow gauge —

Normal gauge —

Interstate —

State —

County —

Park or reservation —

ROADS

Primary, all-weather, hard surface —

Secondary, all-weather, hard surface —

Light-duty, all-weather, hard or improved surface —

Fair or dry weather, unimproved surface —

Interchange —

Sun Valley Route markers: Interstate, U.S., State —

Mine —

Power line —

Landmark: School; Church; Other —

Spot elevation in feet —

Marsh or swamp —

Seaplane anchorage —

Woods brushwood —

Landplane airport —

Landing area —

Seaplane anchorage —

Woods brushwood —

Sounding datum line —

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP OR RANGE LINE —

LAND GRANT BOUNDARY —

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVALS 10 METERS TO THE 200 METER DEPTH, 50 METERS TO THE MAXIMUM DEPTH

DATUM MEAN LOWER LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

TRANSVERSE MERCATOR PROJECTION

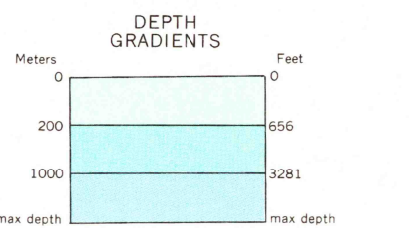
BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 11

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 14° (250 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 130° (240 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 AND BY NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

NATIONAL OCEAN SURVEY HYDROGRAPHIC SURVEY INFORMATION

Survey Number	Survey Date	Survey Scale	Survey Line Spacing (Nautical Miles)
4298	1922-23	1:40,000	21 - 55
4299	1922-23	1:40,000	21 - 1.5
4307	1924	1:40,000	21 - 1.5
4809	1928	1:100,000	03 - 11
5649	1934	1:100,000	03 - 08
5654	1934	1:100,000	03 - 08
5659	1934	1:100,000	03 - 05
5671	1934	1:100,000	03 - 05
5678	1934	1:100,000	03 - 05
5679	1934-35	1:100,000	03 - 05
6117	1935	1:80,000	11 - 87
6118	1935	1:80,000	21 - 2.0
6119	1935	1:80,000	50 - 2.0
6120	1937	1:80,000	21 - 48
6121	1935	1:120,000	1.0 - 4.0



GRID ZONE DESIGNATION: 11S

10,000 M. SQUARE IDENTIFICATION

100,000 M. SQUARE IDENTIFICATION

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

SAMPLE POINT: TIERRA DEL SOL

1. Read letters identifying 100,000 meter square in which the point lies.

2. Locate first VERTICAL grid line to LEFT of point and read LETTERS designating the line within the top or bottom margin, or on the line itself.

3. Estimate tenths from grid line to point.

4. Locate first HORIZONTAL grid line BELOW point and read LETTERS designating the line within the left or right margin, or on the line itself.

5. Estimate tenths from grid line to point.

SAMPLE REFERENCE: NG6480

Shoreline based on 1977 aerial photos, profile Grid Zone Designation, etc.

11S6000

