



PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Base map prepared by the Defense Mapping Agency from 1:24,000, 1:25,000, 1:50,000-scale maps dated 1958-1966 and aerial photographs taken 1952-1955. Map field checked 1959. Bathymetry compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. Bathymetric survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used at the date of the survey. This information is not intended for navigational purposes.

Mean low water (dotted line) and mean high water (solid line) compiled by NOS from tide-coordinated aerial photographs.

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 Diagram dated August 8, 1966. 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.

Transverse Mercator Projection. 10,000-meter Universal Transverse Mercator grid, zone 11. 100,000-foot grid ticks based on California coordinate system, zone 6, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 1 meter south and 28 meters east.

Area covered by light-blue pattern is subject to controlled inundation. Certain land grant names and boundaries are omitted to avoid congestion. 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 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: **DURHAM**

1,000 to 5,000: **Grand Coulee**

RAILROADS

Normal gauge: Single track, Double or Multiple

Narrow gauge: Landplane airport

Light-duty, 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

Power line

Landmark: School, Church, Other

Spot elevation in feet

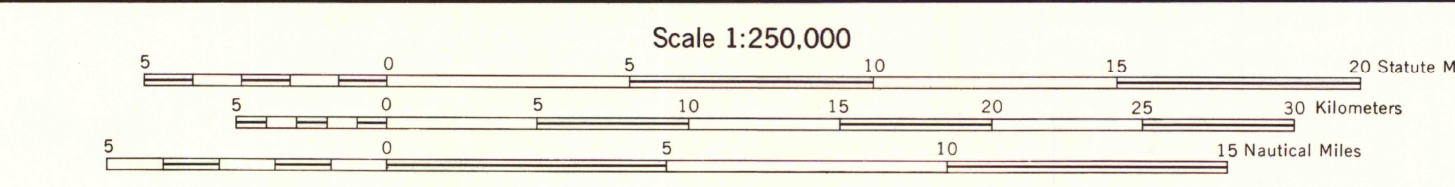
Marsh or swamp

Approximate shoreline

Sounding datum line

Woods brushwood

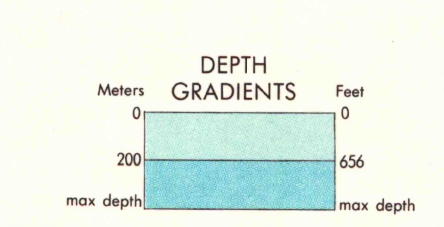
Woods brushwood



CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
NATIONAL GEODETIC DATUM OF 1929
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO THE 200 METER DEPTH, 50 METERS TO MAXIMUM DEPTH
DATUM: MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

NATIONAL OCEAN SURVEY HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Stat. Miles)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Stat. Miles)
H-4367	1924	1:40,000	21	H-5648	1934	1:10,000	03-11
H-4368	1924	1:40,000	21	H-5649	1934	1:10,000	03-08
H-4369	1924	1:40,000	21	H-5650	1934	1:10,000	03-08
H-5313	1934	1:10,000	03-11	H-6111	1934-35	1:40,000	11-54
H-5314	1934	1:10,000	03-11	H-6112	1935	1:40,000	11-55
H-5601	1934	1:10,000	03-11	H-6113	1935	1:40,000	11-57
H-5602	1934	1:10,000	03-11	H-6114	1935	1:40,000	11-20
H-5603	1934	1:10,000	03-11	H-6115	1935	1:40,000	11-20
H-5604	1934	1:10,000	03-11	H-6116	1935	1:40,000	06-20
H-5605	1934	1:10,000	03-11	H-6117	1935	1:40,000	21-08
H-5606	1934	1:10,000	03-11	H-6118	1935	1:40,000	03-08



GRID ZONE DESIGNATION: 11S

10,000 METER SQUARE IDENTIFICATION

TO GIVE A STANDARD REFERENCE TO THIS SHEET TO NEAREST 500 METERS

EXAMPLE POINT: TUMECOLA

MH	NH	MH
MG	NG	MG

1. Read letters identifying 10,000 meter square in which the point lies.

2. Locate first vertical grid line to LEFT of point and read letter figure following the line either to the top or bottom margin, or on the line itself.

3. Locate first horizontal grid line to BELOW point and read letter figure following the line either to the left or right margin, or on the line itself.

4. Estimate tenths from grid line to point.

EXAMPLE REFERENCE: MH600000

1. Planning beyond 10' in any direction, prefix Grid Zone Designation, etc. 11SM600000

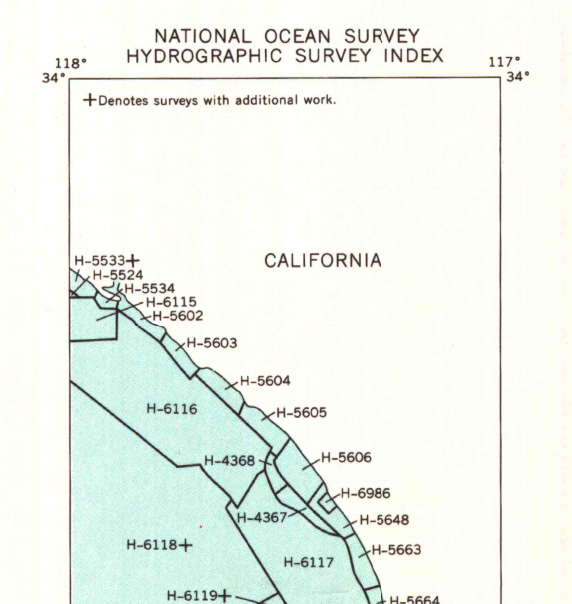
SECTIONIZED TOWNSHIP

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

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



MAP AND AIR PHOTO LIBRARY

NOV 7 1980

University of Wisconsin
Madison

SANTA ANA, CALIFORNIA

1959
REVISED 1979

TOPOGRAPHIC-BATHYMETRIC

3700
#250
#56
Scale 5