



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

Base map prepared by Defense Mapping Agency from 1:24,000, 1:25,000, and 1:50,000-scale maps dated 1942-1955. Field checked 1958. Revised by the U. S. Geological Survey 1970.

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 lower 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 Diagrams dated November 2, 1976. The protection 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 10. 100,000-foot grid ticks based on California coordinate system, zone 2, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 17 meters north and 96 meters east.

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
- 100,000 to 500,000
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- Less than 1,000

**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
- Trail
- Interchange
- Route markers: Interstate, U.S., State

**RAILROADS**

- Single track double or multiple
- Normal gauge
- Narrow gauge
- Landplane airport
- Landing area
- Seaplane airport
- County
- State
- Park or reservation

**BOUNDARIES**

- International
- State
- County
- Park or reservation

**Other**

- Mine
- Power line
- Landmark: School, Church, Other
- Spot elevation in feet
- Marsh or swamp
- Approximate shoreline
- Sounding datum line

**Scale 1:250,000**

0 5 10 15 20 Statute Miles

0 5 10 15 20 Kilometers

0 5 10 15 Nautical Miles

**CONTOUR INTERVAL 200 FEET**

**WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS**

**NATIONAL GEODETIC VERTICAL DATUM OF 1929**

**BATHYMETRIC CONTOUR INTERVAL 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**

**MAGNETIC VARIATION FOR 1980 IS 17° (300 MILLS) EASTERLY OVER THE ENTIRE AREA**

**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
H-4874	1929	1:20,000	03-04
H-4885	1929	1:20,000	02-17
H-4886	1929	1:10,000	02-14
H-4887	1929	1:20,000	07-11
H-4888	1929	1:40,000	14-13
H-4889	1929	1:40,000	02-15
H-4890	1929	1:40,000	02-15
H-5004	1930	1:10,000	02-14
H-5005	1930	1:10,000	02-14
H-5006	1930	1:10,000	02-14
H-5007	1930	1:10,000	02-12
H-5008	1930-31	1:10,000	02-10
H-5162	1931	1:10,000	03-14
H-5163	1931	1:10,000	03-12
H-5164	1931	1:10,000	03-10
H-5165	1931	1:10,000	03-10
H-5171	1931-32	1:40,000	07-55
H-5172	1931-32	1:40,000	07-55
H-5173	1931-32	1:40,000	07-55
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