

MAPPED, 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 1:31,680-scale maps dated 1913-52, and from aerial photographs taken 1949, 1952-53, field checked 1956. Planimetry revised in 1975 by the U. S. Geological Survey from aerial photographs taken 1972.

Bathymetry and shoreline compiled by the National Ocean Survey (NOS). Bathymetry was compiled from NOS Hydrographic Surveys (see index), which comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used as of the date of the survey. Shoreline (mean high water line) was compiled from NOS tide-coordinated aerial photography. This information is not intended for navigational purposes.

Areas covered by dashed light-blue pattern is subject to controlled inundation.

100,000-foot grid based on Texas coordinate system, south central zone. Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

Offshore protection survey data compiled by the Bureau of Land Management. Heavy red lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams. The protections on this map are not for Federal leasing purposes; for such purposes refer to the OCS Official Protection Diagram available from the Bureau of Land Management.

LEGEND

Figures in red denote approximate distances in miles between stars

Scale 1:250,000

5 10 15 20 25 30 Stature Miles

5 10 15 20 25 30 Kilometers

5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVAL 2 METERS
DATUM: MEAN LOW WATER

SHORELINE SHOWN REPRESENTS MEAN HIGH WATER

TRANSVERSE MERCATOR PROJECTION

BLACK NUMERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 7°-00' WEST TO 6°-00' EAST FOR THE CENTER OF THE WEST EDGE TO 9°-00' WEST TO 8°-00' EAST 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

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**

Less than 5,000 **Grand Coulee**

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 track

Normal gauge

Narrow gauge

Suburban

BOUNDARIES

International

State

County

Park or reservation

Other Features

Power line

Landmark: School, Church, Other

Spot elevation in feet

Marsh or swamp

Seaplane airport

Landing area

Approximate shoreline

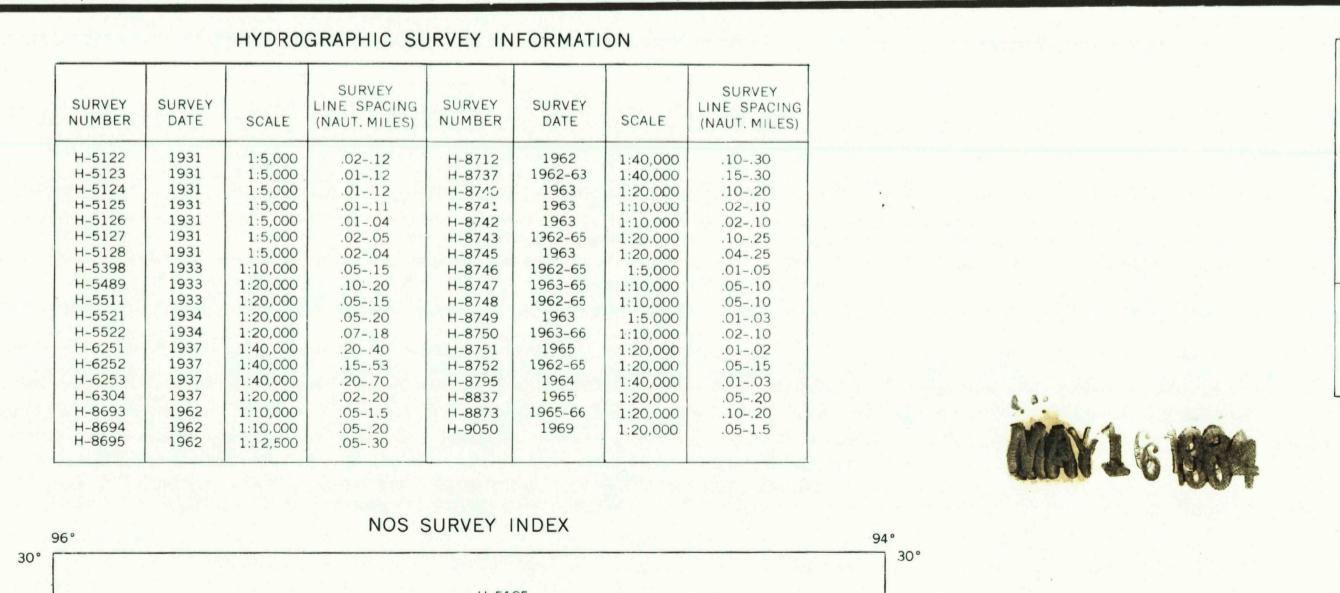
Sounding datum line

Woods brushwood

Woods

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SCALE	SURVEY LINE SPACING (NAUT. MILES)	SURVEY NUMBER	SURVEY DATE	SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-5122	1931	1:5,000	03-13	H-8713	1963	1:40,000	10-30
H-5123	1931	1:5,000	01-12	H-8717	1962-63	1:40,000	10-30
H-5124	1931	1:5,000	01-12	H-8751	1963	1:20,000	05-20
H-5125	1931	1:5,000	01-11	H-8742	1963	1:10,000	10-25
H-5126	1931	1:5,000	02-04	H-8743	1963	1:20,000	05-10
H-5127	1931	1:5,000	02-04	H-8744	1963	1:20,000	05-10
H-5128	1931	1:5,000	02-04	H-8745	1963	1:20,000	05-10
H-5129	1931	1:5,000	02-04	H-8746	1963	1:20,000	05-10
H-5130	1931	1:5,000	02-04	H-8747	1963-64	1:10,000	05-10
H-5131	1931	1:5,000	02-04	H-8748	1963-64	1:10,000	05-10
H-5132	1931	1:5,000	02-04	H-8749	1963	1:10,000	05-10
H-5133	1931	1:5,000	02-04	H-8750	1963	1:10,000	05-10
H-5134	1931	1:5,000	02-04	H-8751	1966	1:20,000	05-10
H-5135	1931	1:5,000	02-04	H-8752	1962-63	1:20,000	05-10
H-5136	1931	1:5,000	02-04	H-8837	1965	1:60,000	05-15
H-5137	1931	1:5,000	02-04	H-8838	1965	1:60,000	05-15
H-5138	1931	1:5,000	02-04	H-8839	1965	1:60,000	05-15
H-5139	1931	1:5,000	02-04	H-8873	1965-66	1:20,000	05-20
H-5140	1931	1:5,000	02-04	H-9050	1969	1:20,000	05-15
H-5141	1931	1:5,000	02-04	H-9051	1969	1:20,000	05-15



INDEX TO ADJOINING SHEETS

SHEET NUMBER	COORDINATES
AUSTIN NH 146	30° 00' N, 95° 00' W
BEAUMONT NH 154	29° 45' N, 95° 00' W
LAKE CHARLES NH 155	29° 30' N, 95° 00' W
SEBUIAN NH 149	30° 00' N, 94° 45' W
HOUSTON NH 157	29° 45' N, 94° 45' W
PORT ARTHUR NH 158	29° 30' N, 94° 45' W
BEVELLY NH 1412	29° 15' N, 94° 45' W
BAY CITY NH 153	29° 00' N, 94° 45' W
BOULDER BANK NH 151	28° 45' N, 94° 45' W