

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 and 1:25,000 scale maps dated 1943-52 and from aerial photographs taken 1953. Field checked 1956. Planimetry revised in 1974 by the Geological Survey from aerial photographs taken 1972. Bathymetry and oblique control 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 photographs. This information is not intended for navigational purposes.

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 protection 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.

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

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

RAILROADS
Scale track, double or multiple
Standard gauge
Narrow gauge
Landplane airport
Seaplane airport
Woods/shrubwood
Orchard
Park or reservation

BOUNDARIES
International
State
County

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

ROUTE MARKERS
Interstate, U.S., State, Sun Valley

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

UNCONFINED

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 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 NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 81° (65 MILES EAST) TO THE CENTER OF THE SHEET TO 71° (65 MILES WEST) OF THE CENTER OF THE SHEET

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

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SCALE	SURVEY SPACING (NAUT. MILES)
H-5521	1934	1:200,000	50-20
H-6252	1937	1:400,000	20-40
H-6253	1937	1:400,000	15-30
H-6254	1937	1:400,000	20-30
H-6255	1937	1:800,000	28-27
H-6256	1937	1:200,000	25-15
H-6315	1937	1:200,000	20-15
H-6398a	1938	1:200,000	20-30
H-6398b	1938	1:200,000	20-30
H-6429	1938	1:200,000	20-22
H-6429	1938	1:400,000	30-21
H-6429	1938	1:400,000	25-30
H-8729	1952-63	1:800,000	0.2-0.8
H-8876	1966	1:200,000	0.2-0.8

DEPTH GRADIENTS
Meters
Feet
max depth 164

GRID ZONE DESIGNATION
15N

INDEX TO NEAREST SHEETS

GRID ZONE DESIGNATION	INDEX TO NEAREST SHEETS
TA	UA, VA
TB	UB, VB
TC	UC, VC
TD	UD, VD

INDEX TO NEAREST SHEETS

INDEX TO NEAREST SHEETS
REGINA NH 14-9
HOUSTON NH 15-10
BAY CITY NH 15-10
BOLINA BANK NH 15-11
CORPUS CHRISTI NH 14-3
EAST BROWNS NH 15-1
GARDEN BANKS NH 15-2

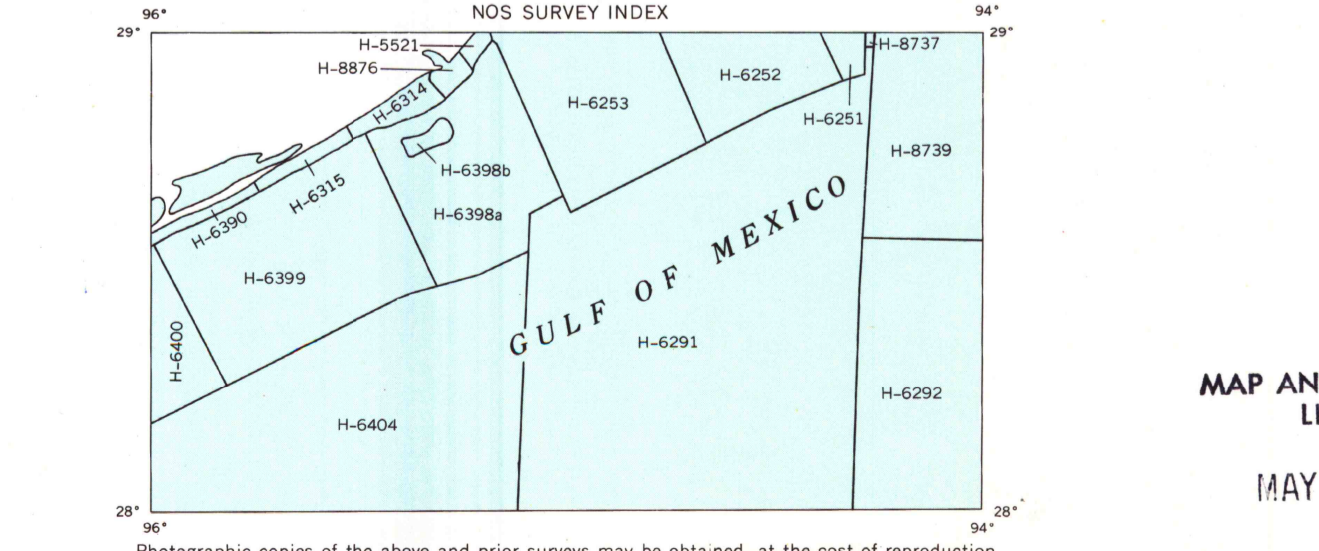
TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

SAMPLE POINT: CORNER

1. Read index identifying 10000 metre square to which the point refers to which the area lies to the left of the grid line and the letter to the left of the grid line. The letter to the left of the grid line is the letter to the left of the grid line. The letter to the left of the grid line is the letter to the left of the grid line.

2. Add the smaller figure of any grid number there are to the right of the letter to the left of the grid line. The smaller figure of any grid number there are to the right of the letter to the left of the grid line.

SAMPLE REFERENCE:
example: 3110000
grid zone designations: 15N084



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