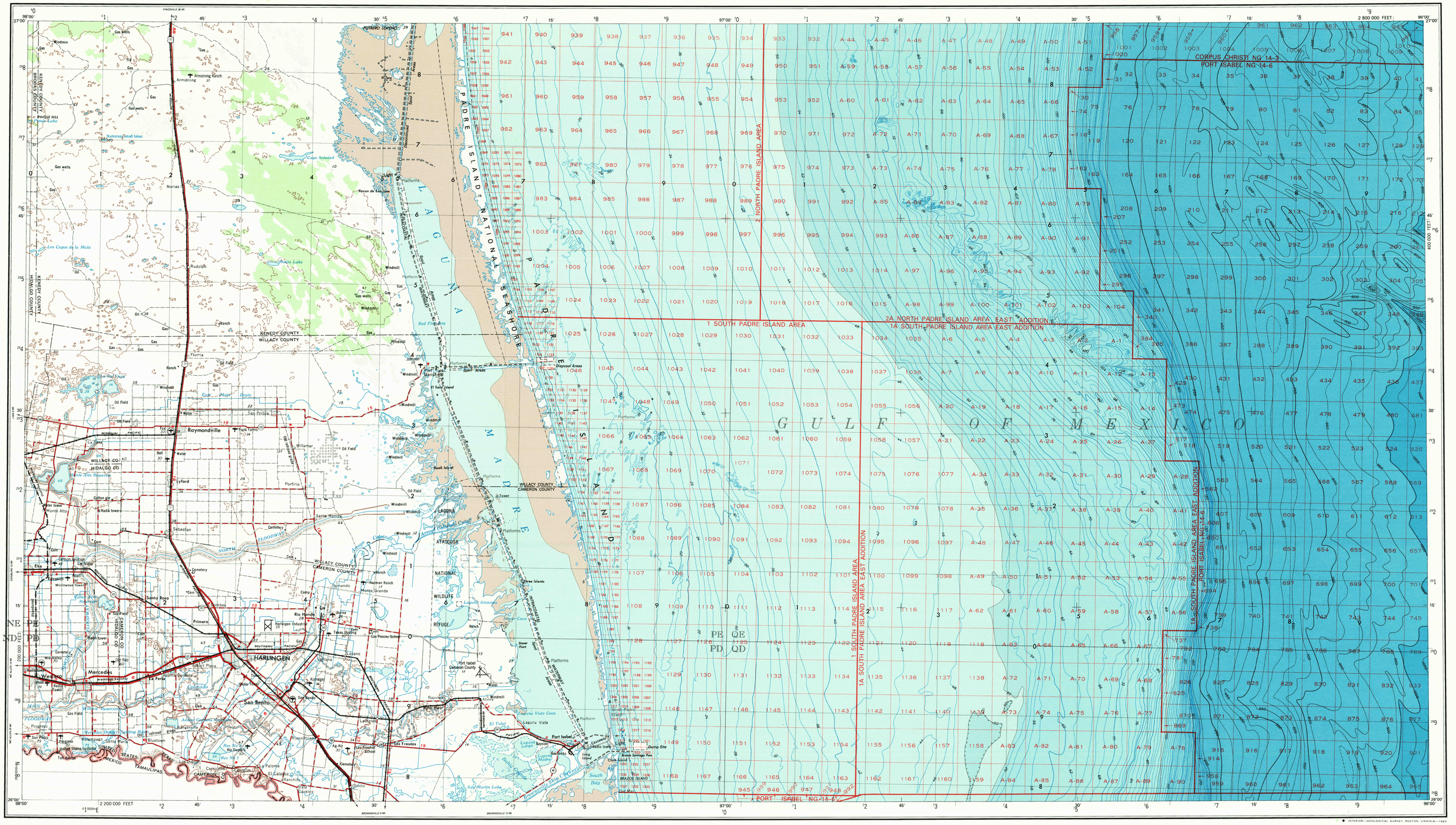
PORT ISABEL



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

Base map prepared by the Defense Mapping Agency by photogrammetric methods from aerial photographs taken 1955 and from 1:24,000, 1:25,000 and 1:31,680-scale maps dated 1929–52. Field checked 1956. Revised by the U. S. Geological Survey 1969

Bathymetry compiled by the National Ocean Service 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 tide-coordinated photographs

Offshore protraction survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protraction Diagrams. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protraction Diagrams available from the Bureau of Land Management

Transverse Mercator Projection. 10,000-meter Universal Transverse Mercator grid, zone 14. 100,000-foot grid ticks based on Texas coordinate system, south zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 32 meters south and 26 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 — 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 — Sun Valley

RAILROADS: Single track Double or Multiple; Normal gauge; Narrow gauge

BOUNDARIES: International; 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; Trail; Interchange; Route markers: Interstate, U.S., State

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

Landplane airport; Landing area; Seaplane airport; Seaplane anchorage; Woods-brushwood

Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METER DEPTH
WITH SUPPLEMENTARY CONTOURS AT 2 METER INTERVALS, 50 METERS TO MAXIMUM DEPTH
DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

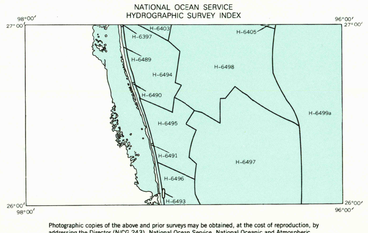
1982 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 7½° (130 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 6½° (120 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

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

NATIONAL OCEAN SERVICE
HYDROGRAPHIC SURVEY INFORMATION

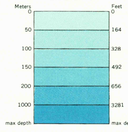
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Nautical Miles)
H-6397	1938	1:20,000	.06-.17
H-6403	1938	1:40,000	.41-1.2
H-6405	1938	1:80,000	.10-2.0
H-6489	1939	1:20,000	.06-.23
H-6490	1939	1:20,000	.06-.13
H-6491	1939	1:10,000	.03-.06
H-6493	1939	1:20,000	.06-.24
H-6494	1939	1:40,000	.08-1.2
H-6495	1939	1:40,000	.15-1.5
H-6496	1939	1:40,000	.12-1.3
H-6497	1939	1:80,000	.35-2.1
H-6498	1938,39	1:80,000	.36-1.7
H-6499a	1939	1:240,000	.50-15.3

NATIONAL OCEAN SERVICE
HYDROGRAPHIC SURVEY INDEX

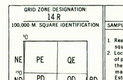


Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director (NCG 243), National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852

DEPTH GRADIENTS



GRID ZONE DESIGNATION: 14 R
100,000 M. SQUARE IDENTIFICATION



IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number. example: 6000

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

SAMPLE POINT: BILLIARD

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 LARGE figure labeling the line either in the top or bottom margin, or on the line itself: Estimate tenths from grid line to point:
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself: Estimate tenths from grid line to point:

	PE	3
	8	
	2	
	7	

SAMPLE REFERENCE: PE3827

If reporting beyond 10° in any direction, prefix Grid Zone Designation, as: 14PE3827

LOCATION DIAGRAM

The bathymetric maps shown on this index are for sale by the National Ocean Service (NCG 33), Riverdale, Maryland 20737

PORT ISABEL, TEXAS

(REFORMATTED FROM NORTH HALF OF BROWNSVILLE)

1956
REVISED 1969
SHORELINE REVISED AND BATHYMETRY ADDED 1981
TOPOGRAPHIC – BATHYMETRIC

RETURN TO:
NMD HISTORICAL MAP ARCHIVES
USGS NATIONAL CENTER, MS-522
RESTON, VA 22092

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983