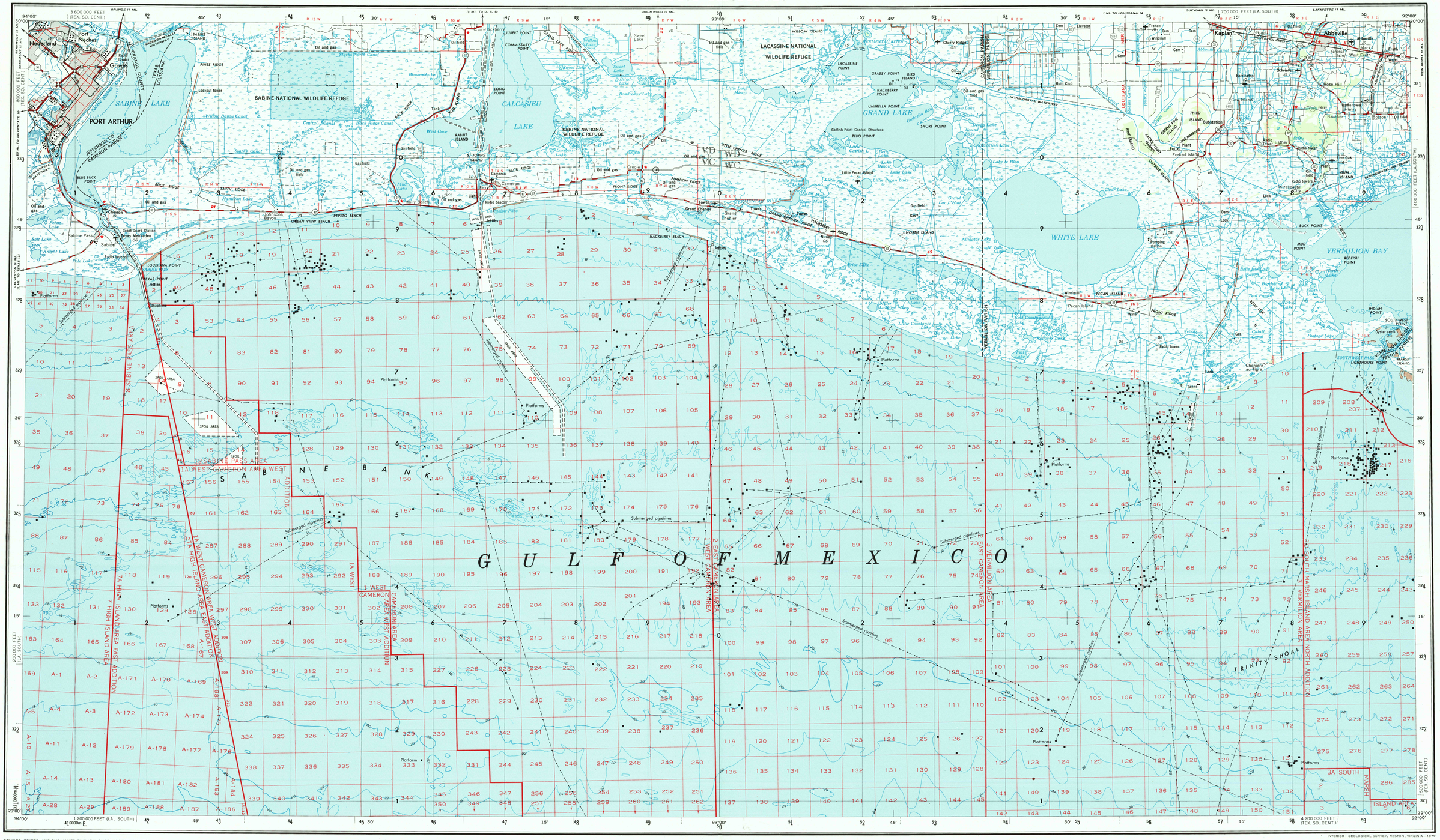
PORT ARTHUR



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1979

REVISED, EDITED, AND PUBLISHED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Topographic map prepared by the Defense Mapping Agency Topographic Center from maps dated 1942–54, and from aerial photographs taken 1953–56. Field checked 1956. Planimetry revised by the U. S. Geological Survey from aerial photographs taken 1972 and other source data. Map edited 1973

Bathymetry and shoreline compiled by the National Ocean Survey (NOS). Bathymetry 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 surveys. Shoreline (mean high water line) from NOS nautical charts which are compiled from tide-coordinated aerial photographs. This information is not intended for navigational purposes

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

100,000-foot grid based on Louisiana coordinate system, south zone and 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

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

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

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

Uncovered

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

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

MAXIMUM ELEVATION LESS THAN 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 10 METERS
SUPPLEMENTED BY 2 METER CONTOUR INTERVALS TO MAXIMUM DEPTH
GULF COAST LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

TRANSVERSE MERCATOR PROJECTION

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

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 6° (110 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 5° (90 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

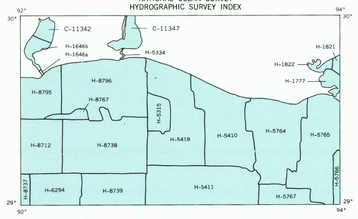
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
OR NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

NATIONAL OCEAN SURVEY
HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-1646a	1885	1:20,000	.03-.60'
H-1646b	1885	1:20,000	.03-.60
H-1777	1888	1:20,000	.05-.43
H-1821	1888	1:20,000	.10-.30
H-1822	1888	1:20,000	.05-.43
H-5315	1933	1:40,000	.20-.70
H-5334	1933	1:10,000	.03-.08
H-5410	1933-34	1:40,000	.10-.80
H-5411	1933-34	1:80,000	.02-1.3
H-5418	1934	1:40,000	.20-1.2
H-5764	1934	1:40,000	.10-.40
H-5765	1934-35	1:80,000	.50-2.0
H-5766	1934-35	1:80,000	.50-2.0
H-5767	1934-35	1:80,000	.50-2.0
H-6294	1907	1:80,000	0.1-3.5
H-8712	1962	1:40,000	.10-.30
H-8737	1962-63	1:40,000	.15-.30
H-8738	1962-63	1:40,000	.20-.30
H-8739	1962-63	1:80,000	0.2-0.8
H-8767	1962-63	1:40,000	.20-.30
H-8795	1964	1:40,000	.01-.03
H-8796	1964	1:40,000	.20-.30

NOS CHART 11342 AUGUST 1975 1:40,000
NOS CHART 11347 JULY 1975 1:50,000

NATIONAL OCEAN SURVEY
HYDROGRAPHIC SURVEY INDEX



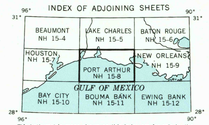
Photographic copies of the above and prior surveys may be obtained at the cost of reproduction by addressing the Director, (C-353), National Ocean Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.

DEPTH GRADIENTS

Meters 0 200 — Feet 0 656

GRID ZONE DESIGNATION: 15R	TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS
100,000 M. SQUARE IDENTIFICATION: VD WD VC WC	SAMPLE POINT: CREOLE
	1. Read letters identifying 100,000 meter square in which the point lies: VC
	2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either to the top or bottom margin, or on the line itself: 8
	Estimate tenths from grid line to point: 9
	3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either to the left or right margin, or on the line itself: 9
	Estimate tenths from grid line to point: 8
IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGEST figures of the grid number; example: 321000	SAMPLE REFERENCE: VC8998
	15RVC8998

INDEX OF ADJOINING SHEETS



The bathymetric maps shown on this index are for sale by the National Ocean Survey (C44), Riverdale, Maryland 20840

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USGS NMD
HISTORICAL MAP ARCHIVES

20% TOTAL RECOVERED FIBER

PORT ARTHUR, TEXAS; LOUISIANA
1956
REVISED 1973
SHORELINE REVISED AND
BATHYMETRY ADDED
1978
TOPOGRAPHIC-BATHYMETRIC

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