



# Port Arthur

## TEXAS-LOUISIANA

1:100 000-scale *metric* topographic-bathymetric map

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters

1983

Produced by the United States Geological Survey and the National Ocean Service  
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1955-1962. Planimetry revised from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1983.  
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean low water (dotted line) and mean high water (heavy solid line) compiled by NOS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line.  
Projection and 10 000-meter grid, zone 15: Universal Transverse Mercator 25 000-foot grid ticks based on Louisiana coordinate system, south zone and Texas coordinate system, south central and central zones.  
1927 North American Datum  
To place on the projected North American Datum 1983, move the projection line 20 meters south and 17 meters east.  
Oblique projection survey data, shown in red, compiled by the Bureau of Land Management. Heavy 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 1:500 000-scale OCS Official Protection Diagrams available from the Bureau of Land Management.  
There may be private schoolships within the boundaries of the National or State reservations shown on this map. All or part of this quadrangle lies within a subsidence area.

CONTOUR INTERVAL 2 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST 0.5 METERS  
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS NEAR LOWER LOW WATER DATUM  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLETES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4043
6	19.6852
7	22.9660
8	26.2469
9	29.5278
10	32.8084

To convert meters to feet multiply by 3.2808  
To convert feet to meters divide by 3.2808

DECLINATION DIAGRAM

ADJOINING MAPS	1	2	3
4	5	6	7
8	9	10	11

1 2 3  
4 5 6  
7 8 9  
10 11 12

1 2 3  
4 5 6  
7 8 9  
10 11 12

1 2 3  
4 5 6  
7 8 9  
10 11 12

Topographic Map Symbols

A pamphlet describing topographic maps is available on request

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	LINE SPACING (MILITARY)
H-1649	1885	1:20,000	03.60
H-1671	1893	1:40,000	20.12
H-1649	1903	1:40,000	20.12
H-1651	1913	1:20,000	03.60
H-1648	1923-34	1:20,000	03.25
H-1672	1925-63	1:40,000	20.30
H-1670	1964	1:40,000	10.30
H-1676	1964	1:40,000	20.30
H-1675	1979	1:20,000	06.12

NOS CHART 11347 (1979)  
NOS CHART 11347 (1979, 1983)

USGS AND HISTORICAL MAP ARCHIVES

OCT 3 0 1995

REC'D FILE COPY

HYDROGRAPHIC SURVEY INDEX

Exposed at low tide

DEPTH GRADIENT

FOR SALE BY U.S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80205, OR RESTON, VIRGINIA 22092  
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20855