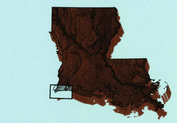
29093-E1-TB-100

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

U. S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE

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 1955-1982. Planimetry revised from aerial photographs taken 1978 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 purpose
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 predicted North American Datum 1983, move the projection line 20 meters south and 17 meters east
Offshore protraction survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Offici Protraction Diagrams. The protractions on this map are not for Federal leasing purposes, for such purposes, refer to the 1:250 000-scale OCS Official Protraction Diagrams available from the Bureau of Land Management
There may be private inholdings 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 METER
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS–MEAN LOWER LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

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

CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

UTM grid convergence (GN) and 1983magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

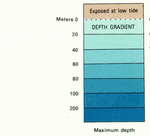
1 2 3 4 Anahuac
5 White Lake
6 Galveston
7 8

ISBN 0-607-53540-7

Topographic Map Symbols

Primary highway; hard surface
Secondary highway; hard surface
Light duty road, principal street, hard or improved surface
Other road or street; trail
Route marker: Interstate; U. S.; State
Railroad: standard gage; narrow gage
Bridge; overpass; underpass
Tunnel; road; railroad
Built up area; locality; elevation
Airport; landing field; landing strip
National boundary
State boundary
County boundary
National or State reservation boundary
Land grant boundary
U. S. public lands survey; range, township; section
Range, township; section line: protracted
Power transmission line; pipeline
Dam; dam with lock
Cemetery; building
Windmill; water well; spring
Mine shaft; adit or cave; mine, quarry; gravel pit
Campground; picnic area; U. S. location monument
Ruins; cliff dwelling
Distorted surface: strip mine, lava; sand
Contours: index; intermediate; supplementary
Bathymetric contours: index; intermediate
Stream, lake: perennial; intermittent
Rapids, large and small; falls, large and small
Area to be submerged; marsh, swamp
Land subject to controlled inundation; woodland
Scrub; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request



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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 2 METERS

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13
1000 0 5000 10 000 15 000 20 000 METERS
5000 0 10 000 20 000 30 000 40 000 50 000 60 000 70 000 FEET

PORT ARTHUR, TEXAS–LOUISIANA
29093-E1-TB-100
1983

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT MILES)
H-1646a	1885	1:20,000	03- 80
H-5315	1933	1:40,000	20- 70
H-5418	1933	1:40,000	20-1.2
H-5457	1934	1:20,000	02- 40
H-8795	1962-63	1:40,000	20- 70
H-8767	1963-63	1:40,000	15- 30
H-8796	1964	1:40,000	15- 30
H-8796	1964	1:40,000	20- 30
H-9785	1978	1:20,000	06- 12

NOS CHART 11342 1978 1:40,000
NOS CHART 11347 1978 1:80,000

HYDROGRAPHIC SURVEY INDEX

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