

Port Arthur

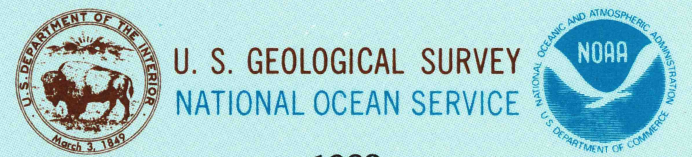
TEXAS-LOUISIANA

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

[illegible]

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 magnetic declination (MN) at center of map

Diagram is approximate

ADJOINING MAPS

1	2	3
4	5	6
7	8	9

- 1
- 2
- 3
- 4 Anaschuk
- 5 White Lake
- 6 Galveston
- 7
- 8

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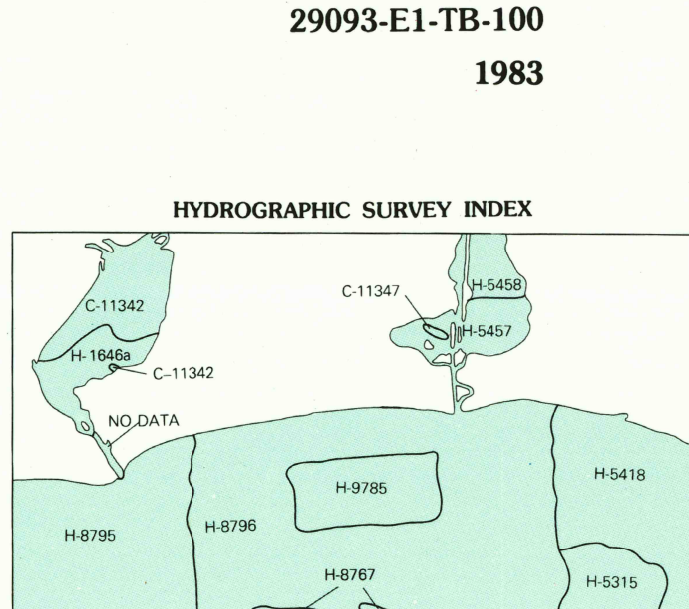


Topographic Map Symbols

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
Unimproved: standard gage, narrow gage
Bridges: overpass, underpass
Tunnel: rail-road
Built up area: locally, 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: projected
Power transmission line: pylon
Dam, dam with lock
Cemetery, building
Cemetery, water with spring
Mine shaft: oil or cave; mine, quarry; gravel pit
Carpenter's, picnic area, U.S. location monument
Aligning, drill dwelling
Cultural features: ship, mine, lake, sand
Cultural notes: intermediate, supplementary
Bethelton notes: intermediate, intermediate
Stream, lake, perennial, intermittent
Reservoir, large and small, bays, lake and small
Area to be submerged; marsh, swamp
Land subject to controlled inundation; woodlands
Sinks, negative
Orchard, vineyard

A pamphlet describing topographic maps is available on request.

PORT ARTHUR, TEXAS-LOUISIANA



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.

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

HYDROGRAPHIC SURVEY INFORMATION			
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT MILES)
H-1545a	1885	1:20,000	03-60
H-531a	1903	1:40,000	20-70
H-541b	1903	1:40,000	20-12
H-545f	1904	1:20,000	07-40
H-546	1903-34	1:20,000	02-25
H-478f	1902-03	1:40,000	20-30
H-479f	1904	1:40,000	10-30
H-479f	1904	1:40,000	20-30
H-478f	1918	1:40,000	06-12

