



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. Primarily 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 survey. 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 protection 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 OCS Official Protection 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
 100,000 to 500,000
 25,000 to 100,000
 5,000 to 25,000
 1,000 to 5,000
 Less than 1,000

RAILROADS
 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
 Fair
 Interchange
 Route markers: Interstate, U.S., State
 Soil Salinity

Other features:
 Landline airport
 Landing area
 Spot elevation in feet
 Landmark: School; Church; Other
 Marsh or swamp
 Seaplane airport
 Seaplane anchorage
 Woods-brushwood
 Sounding datum line

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
 0 5 10 15 20 25 30 Statute Miles
 0 5 10 15 20 25 30 Kilometers
 0 5 10 15 20 25 30 Nautical Miles

NATIONAL OCEAN SURVEY HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUTICAL MILES)
H-1666a	1885	1:20,000	0.3-6.0
H-1666b	1886	1:20,000	0.3-6.0
H-1777	1886	1:20,000	0.3-6.0
H-1821	1886	1:20,000	1.0-30.0
H-1822	1886	1:20,000	1.0-30.0
H-5115	1912	1:40,000	2.0-70.0
H-5334	1913	1:20,000	0.3-6.0
H-5410	1913-14	1:40,000	1.0-40.0
H-5411	1914	1:40,000	2.0-12.0
H-5412	1914	1:40,000	1.0-40.0
H-5413	1914-15	1:40,000	2.0-12.0
H-5414	1914-15	1:40,000	1.0-40.0
H-5415	1914-15	1:40,000	2.0-12.0
H-5416	1914-15	1:40,000	1.0-40.0
H-5417	1914-15	1:40,000	2.0-12.0
H-5418	1914-15	1:40,000	1.0-40.0
H-5419	1914-15	1:40,000	2.0-12.0
H-5420	1914-15	1:40,000	1.0-40.0
H-5421	1914-15	1:40,000	2.0-12.0
H-5422	1914-15	1:40,000	1.0-40.0
H-5423	1914-15	1:40,000	2.0-12.0
H-5424	1914-15	1:40,000	1.0-40.0
H-5425	1914-15	1:40,000	2.0-12.0
H-5426	1914-15	1:40,000	1.0-40.0
H-5427	1914-15	1:40,000	2.0-12.0
H-5428	1914-15	1:40,000	1.0-40.0
H-5429	1914-15	1:40,000	2.0-12.0
H-5430	1914-15	1:40,000	1.0-40.0
H-5431	1914-15	1:40,000	2.0-12.0
H-5432	1914-15	1:40,000	1.0-40.0
H-5433	1914-15	1:40,000	2.0-12.0
H-5434	1914-15	1:40,000	1.0-40.0
H-5435	1914-15	1:40,000	2.0-12.0
H-5436	1914-15	1:40,000	1.0-40.0
H-5437	1914-15	1:40,000	2.0-12.0
H-5438	1914-15	1:40,000	1.0-40.0
H-5439	1914-15	1:40,000	2.0-12.0
H-5440	1914-15	1:40,000	1.0-40.0
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H-5445	1914-15	1:40,000	2.0-12.0
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H-5450	1914-15	1:40,000	1.0-40.0
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H-5460	1914-15	1:40,000	1.0-40.0
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H-5470	1914-15	1:40,000	1.0-40.0
H-5471	1914-15	1:40,000	2.0-12.0
H-5472	1914-15	1:40,000	1.0-40.0
H-5473	1914-15	1:40,000	2.0-12.0
H-5474	1914-15	1:40,000	1.0-40.0
H-5475	1914-15	1:40,000	2.0-12.0
H-5476	1914-15	1:40,000	1.0-40.0
H-5477	1914-15	1:40,000	2.0-12.0
H-5478	1914-15	1:40,000	1.0-40.0
H-5479	1914-15	1:40,000	2.0-12.0
H-5480	1914-15	1:40,000	1.0-40.0
H-5481	1914-15	1:40,000	2.0-12.0
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H-5488	1914-15	1:40,000	1.0-40.0
H-5489	1914-15	1:40,000	2.0-12.0
H-5490	1914-15	1:40,000	1.0-40.0
H-5491	1914-15	1:40,000	2.0-12.0
H-5492	1914-15	1:40,000	1.0-40.0
H-5493	1914-15	1:40,000	2.0-12.0
H-5494	1914-15	1:40,000	1.0-40.0
H-5495	1914-15	1:40,000	2.0-12.0
H-5496	1914-15	1:40,000	1.0-40.0
H-5497	1914-15	1:40,000	2.0-12.0
H-5498	1914-15	1:40,000	1.0-40.0
H-5499	1914-15	1:40,000	2.0-12.0
H-5500	1914-15	1:40,000	1.0-40.0

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

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1956
 REVISED 1973
 SHORELINE REVISED AND BATHYMETRY ADDED 1978
 TOPOGRAPHIC-BATHYMETRIC

12,400