



PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEANIC SURVEY
 Base map prepared by Defense Mapping Agency by photogrammetric methods and from 1:250,000 scale maps dated 1939-1944. Bathymetry revised from aerial photographs taken 1950. Field checked 1956. Revised by the U. S. Geological Survey from aerial photographs taken 1972 and other source data.
 Bathymetry and shoreline compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. Bathymetric survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and standards used at the date of the survey. This information is not intended for navigational purposes.
 Gulf Coast low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated aerial photographs.
 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 dated December 2, 1976. 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.
 Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 17, 100,000-foot grid ticks based on Florida coordinate system, west zone, 1927 North American Datum. To place on the predicted North American Datum, 1983, move the projection lines 35 meters south and 14 meters west.
 Location of geodetic control established by government agencies is shown on Tampa 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

ROADS

Primary, all-weather, hard surface
 Secondary, all-weather, hard surface
 Fair or dry weather, unimproved surface
 Trail or dry weather
 Interchange

RAILROADS

Single track double or multiple
 Normal gauge
 Landplane airport

BOUNDARIES

National
 State
 County
 Park or reservation

Other features:

Power line
 Landmark, School, Church, Other
 Spot elevation in feet
 Marsh or swamp
 Mangrove
 Sounding datum line

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
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 Nautical Miles

CONTOUR INTERVAL 25 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVAL 10 METERS

WITH SUPPLEMENTARY CONTOUR AT 2 METERS INTERVALS

GULF COAST LOW WATER DATUM

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

1981 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 0° (0 MILES) FOR THE CENTER OF THE WEST COAST TO 17° 00' WESTERLY FOR THE CENTER OF THE EAST COAST

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 20192
 AND BY NATIONAL OCEANIC SURVEY, ROCKVILLE, MARYLAND 20852

NATIONAL OCEANIC SURVEY HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUTICAL MILES)
H-307	1866-67	1:20,000	0.4-1.0
H-308	1866-67	1:20,000	0.4-1.0
H-309	1866-67	1:20,000	0.4-1.0
H-310	1866-67	1:20,000	0.4-1.0
H-311	1866-67	1:20,000	0.4-1.0
H-312	1866-67	1:20,000	0.4-1.0
H-313	1866-67	1:20,000	0.4-1.0
H-314	1866-67	1:20,000	0.4-1.0
H-315	1866-67	1:20,000	0.4-1.0
H-316	1866-67	1:20,000	0.4-1.0
H-317	1866-67	1:20,000	0.4-1.0
H-318	1866-67	1:20,000	0.4-1.0
H-319	1866-67	1:20,000	0.4-1.0
H-320	1866-67	1:20,000	0.4-1.0
H-321	1866-67	1:20,000	0.4-1.0
H-322	1866-67	1:20,000	0.4-1.0
H-323	1866-67	1:20,000	0.4-1.0
H-324	1866-67	1:20,000	0.4-1.0
H-325	1866-67	1:20,000	0.4-1.0
H-326	1866-67	1:20,000	0.4-1.0
H-327	1866-67	1:20,000	0.4-1.0
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H-391	1866-67	1:20,000	0.4-1.0
H-392	1866-67	1:20,000	0.4-1.0
H-393	1866-67	1:20,000	0.4-1.0
H-394	1866-67	1:20,000	0.4-1.0
H-395	1866-67	1:20,000	0.4-1.0
H-396	1866-67	1:20,000	0.4-1.0
H-397	1866-67	1:20,000	0.4-1.0
H-398	1866-67	1:20,000	0.4-1.0
H-399	1866-67	1:20,000	0.4-1.0
H-400	1866-67	1:20,000	0.4-1.0

INDEX TO ADJOINING SHEETS

THE ELBOW NG 16-3
 PETERSBURG NG 17-1
 FT PIERCE NG 17-2
 WEST PALM BEACH NG 17-3
 MIAMI NG 17-4
 HOWELL HOOK NG 16-2
 CHARLOTTE HARBOR NG 17-4
 PULLEY RIDGE NG 17-7
 MIAMI NG 17-4

CHARLOTTE HARBOR, FLORIDA
 REVISED 1972
 SHORELINE REVISED AND
 BATHYMETRY ADDED
 1981
 TOPOGRAPHIC-BATHYMETRIC