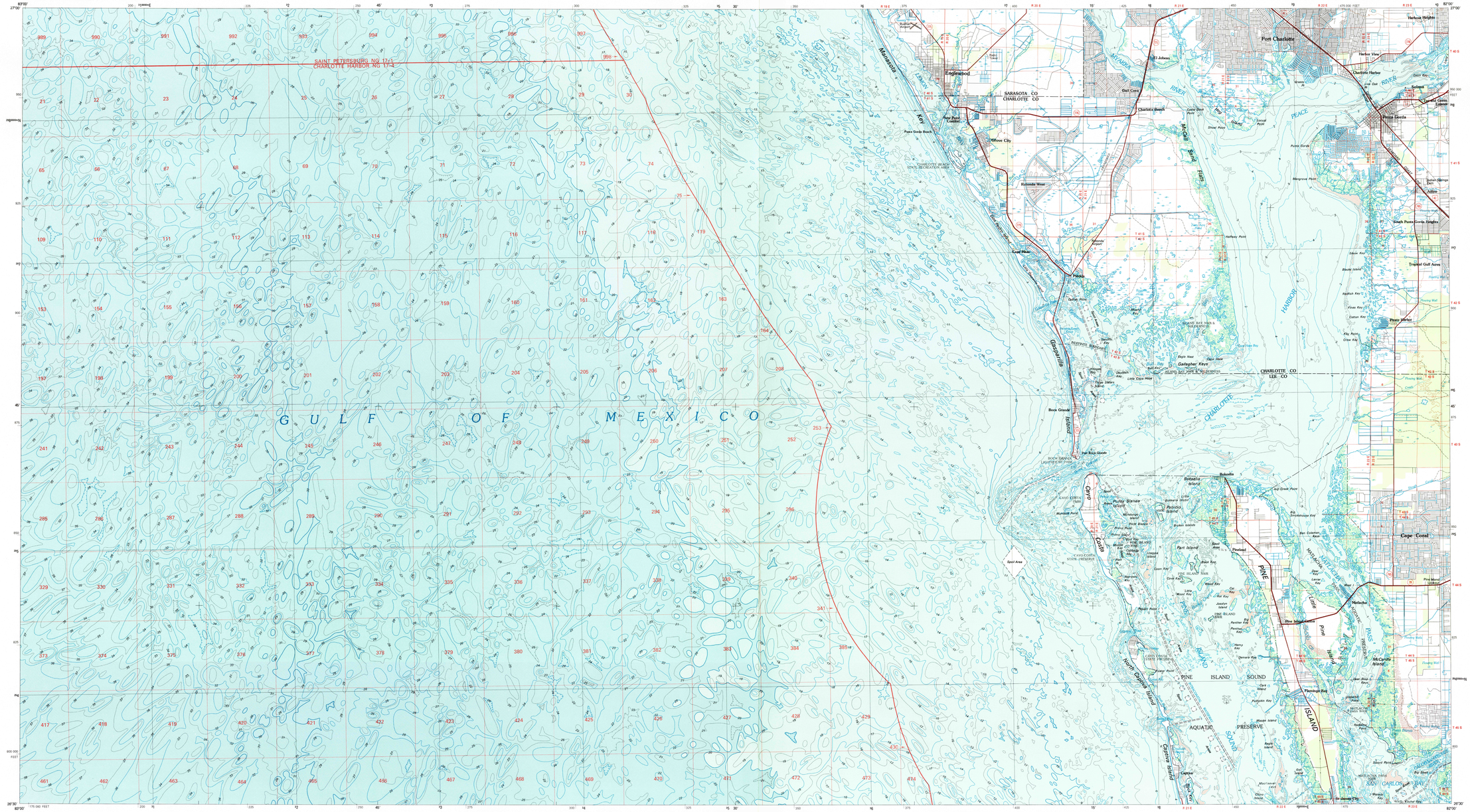
CHARLOTTE HARBOR, FLORIDA

30 X 60 MINUTE SERIES (TOPOGRAPHIC–BATHYMETRIC)



SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 5 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

CHARLOTTE HARBOR, FLORIDA

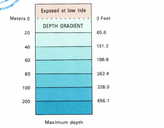
N2630–W8200/30 X 60

1981

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY SOUNDING VAULT: METERS	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING VAULT: METERS
H-909	1880	1:20,000	06–41	H-8195	1959–60	1:10,000	02–08
H-1089a	1878	1:20,000	02–28	H-8196	1959–59	1:20,000	04–25
H-1460b	1879–80	1:20,000	15–32	H-8357	1956–57	1:10,000	03–08
H-1460c	1881	1:20,000	01–10	H-8360	1956–57	1:10,000	04–08
H-7934	1951	1:80,000	03–10	H-8360	1956–59	1:10,000	03–08
H-7935	1951	1:80,000	03–10	H-8361	1957–59	1:10,000	03–10
H-8013	1952–54	1:100,000	25–1.8	H-8362	1956–60	1:20,000	04–12
H-8152	1953	1:20,000	02–20	H-8489	1959	1:10,000	01–10
H-8153	1955	1:10,000	04–01	H-8471	1958	1:10,000	03–08
H-8155	1955	1:10,000	04–01	H-8472	1958	1:10,000	03–08
H-8192	1955–56	1:10,000	03–01	H-8555	1960	1:10,000	04–09
H-8193	1955	1:10,000	02–13	H-8598	1960–61	1:10,000	03–13
H-8194	1956–57	1:10,000	02–09				

Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by writing to the Chief, Photographic Services, National Ocean Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852



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

Charlotte Harbor

FLORIDA

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 SURVEY

1981

Produced by the Geological Survey and the National Ocean Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1972

Planimetry revised from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1981

Bathymetry compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes

Mean low water (dotted) line and mean high water (here,) 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 17: Universal Transverse Mercator

25 000-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 34 meters south and 16 meters west

Offshore protraction survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Oil and Gas Lease Sales through December 2, 1976. 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

CONTOUR INTERVAL 5 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL 5 METERS WITH SUPPLEMENTARY CONTOURS AT 1 METER AND 3 METERS WHERE SPACE PERMITS
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPILED WITH NATIONAL MAP ACCURACY STANDARDS; BATHYMETRIC SURVEY DATA COMPLIED 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	19.6851
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 1981 magnetic declination (MN) at center of map Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Sarasota
2 Arcadia
3
4 Fort Myers
5
6 Sanibel
8 Naples

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

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