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

CHARLOTTE HARBOR, FLORIDA
N2630–W8200/30 X 60
1981

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 (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 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 Official Protraction Diagrams dated 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 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS—DATUM IS MEAN LOW WATER
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

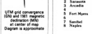
CONVERSION TABLE

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 1981 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

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

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

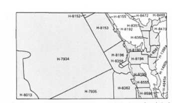
Topographic Map Symbols

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

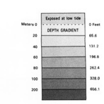
A pamphlet describing topographic maps is available on request

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-908	1866	1:20,000	.06–.41	H-8195	1959–60	1:10,000	.02–.08
H-1388a	1878	1:20,000	.02–.35	H-8196	1956–59	1:20,000	.06–.25
H-1480b	1879–80	1:20,000	.15–.32	H-8357	1956–57	1:10,000	.03–.08
H-4845a	1928	1:10,000	.01–.15	H-8358	1956–57	1:10,000	.04–.08
H-7934	1951	1:80,000	.03–.50	H-8360	1956–59	1:10,000	.03–.09
H-7935	1951	1:80,000	.10–.70	H-8361	1957–59	1:10,000	.03–.10
H-8013	1952–54	1:100,000	.25–1.6	H-8362	1956–60	1:20,000	.06–.22
H-8152	1955	1:20,000	.02–.20	H-8469	1959	1:10,000	.01–.10
H-8153	1955	1:20,000	.04–.23	H-8470	1959	1:10,000	.01–.10
H-8155	1955	1:10,000	.04–.07	H-8472	1959	1:10,000	.03–.09
H-8192	1955–56	1:10,000	.03–.07	H-8555	1960	1:10,000	.04–.08
H-8193	1956	1:10,000	.03–.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 addressing the Director (C-353) National Ocean Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852



Charlotte Harbor, 1981

USGS and NOAA, *Charlotte Harbor Quadrangle* (Reston, VA: United States Geological Survey, 1981)

Downloaded from *Maps ETC*, on the web at http://etc.usf.edu/maps [map #f3545]