MIAMI, FLORIDA

1 X 2 DEGREE SERIES (TOPOGRAPHIC–BATHYMETRIC)

Miami
FLORIDA

1:250 000-scale *metric* topographic-bathymetric map

1 X 2 DEGREE 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 SERVICE

1988

Produced by the United States Geological Survey and the National Ocean Service

Compiled from 1:100 000-scale maps dated 1981 and 1982
Planimetry revised from aerial photographs taken 1984-86 and other sources
Revised information not field checked. Supersedes map dated 1956
Map edited 1988

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated aerial photographs
Offshore protraction survey data shown in red furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protraction Diagrams dated December 2, 1976 and October 24, 1978. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protraction Diagram available from the Minerals Management Service

Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator
100 000-foot grid ticks based on Florida coordinate system, east zone.
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 41 meters south and 20 meters west
Location of geodetic control established by government agencies shown on corresponding 1:250 000-scale Geodetic Control Diagram
There may be private inholdings within the boundaries of the National or State reservation shown on this map

1988 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 1½° (27 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 3° (53 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 8.5' WESTERLY

CONTOUR INTERVAL 5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVALS 10 METERS TO THE 200 METER DEPTH, SUPPLEMENTED BY 2 METER INTERVALS, THENCE 50 METERS TO MAXIMUM DEPTH SUPPLEMENTED BY 10 METER INTERVALS
DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPILED WITH NATIONAL MAP ACCURACY STANDARDS
BATHYMETRIC SURVEY DATA COMPILED 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	Feet	Meters
1	3.2808	1	3048
2	6.5617	2	6096
3	9.8425	3	9144
4	13.1234	4	1.2192
5	16.4042	5	1.5240
6	19.6850	6	1.8288
7	22.9659	7	2.1336
8	26.2467	8	2.4384
9	29.5276	9	2.7432
10	32.8084	10	3.0480

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Charlotte Harbor
2 West Palm Beach
3 Bahamas*
4 Pulley Ridge*
5 Bimini*
6 Dry Tortugas*
7 Key West
8 Andros*

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

Topographic Map Symbols

Figures in red denote approximate distances in kilometers between markers

- Dual highway; interchange
- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, hard or improved surface
- Other road; trail
- Route marker: Interstate; U. S.; State
- Bridge; overpass; underpass
- Tunnel; road; railroad
- Railroad: standard gauge; single, multiple track
- Railroad: narrow gauge; single, multiple track
- Built-up area; locality; elevation — 236
- Airport; runway pattern known; unknown
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey; range, township (surveyed)
- U. S. public lands survey; range, township (protracted)
- Powerline; pipeline; aboveground, underground
- Dam; landmark feature; landmark building
- Well; water, other; spring; tank
- Cave; mine, quarry; oil platform
- Landmark area: landmark racetrack — Fairground
- Distorted surface: strip mine, lava; sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; primary
- Bathymetric contours: intermediate; supplementary
- Stream, lake: perennial; intermittent
- Rapids, large and small; falls, large and small
- Land subject to controlled inundation; marsh, swamp
- Woodland; orchard, vineyard
- Mangrove

A pamphlet describing topographic maps is available on request

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1988

SCALE 1:250 000

1 CENTIMETER ON THE MAP REPRESENTS 2.5 KILOMETERS ON THE GROUND

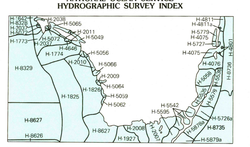
CONTOUR INTERVAL 5 METERS

MIAMI, FLORIDA
25080-A1-TB-250
1988

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-1642	1885	1:40,000	10-2.0
H-1773	1887	1:40,000	10-2.5
H-1774	1887	1:40,000	05-3.7
H-1825	1888	1:80,000	20-4.5
H-1826	1888	1:40,000	10-.50
H-1827	1888	1:40,000	10-.65
H-1927	1889	1:40,000	10-.75
H-2007	1890	1:40,000	10-.85
H-2008	1890	1:40,000	10-1.
H-2009	1890	1:20,000	05-.35
H-2010	1890	1:20,000	03-.46
H-2011	1890	1:20,000	04-.55
H-2037	1890	1:10,000	02-.15
H-2038	1890	1:20,000	03-.22
H-4075	1919	1:20,000	01-.32
H-4076	1919	1:20,000	02-.39
H-4646	1927	1:10,000	03-.22
H-4801	1928	1:20,000	03-.26
H-4811	1928	1:20,000	02-.15
H-4811a	1929	1:20,000	02-.16
H-5049	1930	1:20,000	02-.22
H-5056	1930	1:20,000	01-.56
H-5059	1930	1:20,000	04-.20
H-5059	1930	1:20,000	02-.90
H-5062	1930	1:20,000	02-.32
H-5064	1930	1:20,000	01-.25
H-5065	1930	1:20,000	02-.35
H-5066	1930	1:20,000	02-.16
H-5072	1930	1:20,000	02-.07
H-5535	1934	1:20,000	03-.20
H-5536	1934	1:20,000	02-.15
H-5542	1934	1:20,000	02-.22
H-5576	1934	1:20,000	02-.35
H-5595	1934	1:20,000	02-.16
H-5726a	1934	1:20,000	03-.16
H-5727	1934-35	1:10,000	02-.19
H-5779	1935	1:10,000	01-.09
H-5878a	1935	1:20,000	02-.16
H-5879a	1935	1:20,000	02-.13
H-8328	1956	1:80,000	10-1.0
H-8329	1956	1:80,000	10-.70
H-8626	1961	1:40,000	10-.30
H-8627	1961	1:40,000	30-.40
H-8735	1963	1:100,000	20-1.0
H-8736	1963	1:100,000	20-1.0

NATIONAL OCEAN SERVICE HYDROGRAPHIC SURVEY INDEX



Photographic copies of the above and prior surveys may be obtained at the cost of reproduction by addressing the Director (N/CG2), National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852

DEPTH GRADIENTS