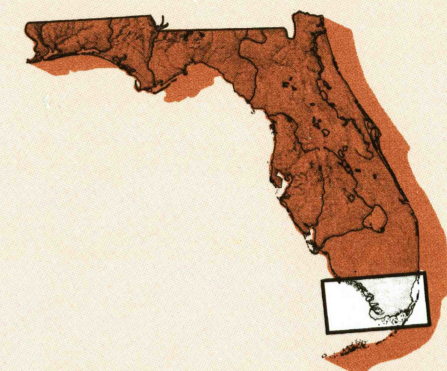


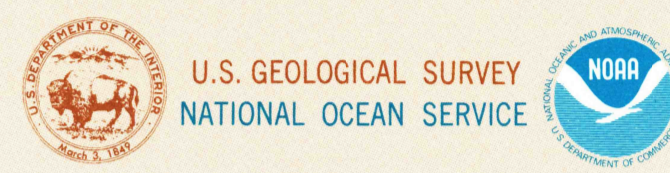
Miami FLORIDA

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



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. Superimposed 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 (dashed line) and mean high water (solid line) compiled by NOS from tide-coordinated aerial photography.
Offshore protection survey data shown in red furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagrams dated December 2, 1976 and October 24, 1978. The restrictions on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protection 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 landholdings within the boundaries of the National or State reservation shown on this map.

1988 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 1 1/2 (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 GEODEIC 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.
DATHLM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPILES WITH NATIONAL MAP ACCURACY STANDARDS
BATHYMETRIC SURVEY DATA COMPILES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION NO. 2, ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE				ADJOINING MAPS			
Meters	Feet	Feet	Meters	1	2	3	
1	3.2808	1	3.048				
2	6.5617	2	6.096				
3	9.8425	3	9.144				
4	13.1234	4	12.802	4		5	
5	16.4042	5	15.240				
6	19.6850	6	18.288				
7	22.9659	7	21.336				
8	26.2467	8	24.384				
9	29.5276	9	27.432				
10	32.8084	10	30.480				

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

1	2	3
4	5	
6	7	8

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

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80205, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852
BATHYMETRIC MAPS FOR SALE BY NOS

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
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 (interior)
U.S. public lands survey, range, township (interior)
Powerline, pipeline, aboveground, underground
Dam; landmark features; landmark building
Well, water, other, spring, tank
Cave, mine, quarry, oil platform
Landmark area: landmark rockstack
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

MIAMI, FLORIDA
25080-A1-TB-250

1988

HYDROGRAPHIC SURVEY INFORMATION									
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING	SURVEY NUMBER	SURVEY DATE
H-1642	1885	1:40,000	10:0	H-5058	1930	1:20,000	04:20		
H-1773	1887	1:40,000	10:5	H-5059	1930	1:20,000	02:30		
H-1774	1887	1:40,000	09:3	H-5060	1930	1:20,000	02:32		
H-1825	1888	1:80,000	25:45	H-5064	1930	1:20,000	01:35		
H-1826	1888	1:40,000	10:50	H-5065	1930	1:20,000	02:35		
H-1827	1888	1:40,000	10:45	H-5066	1930	1:20,000	02:16		
H-1927	1889	1:40,000	10:75	H-5072	1930	1:20,000	02:07		
H-2007	1890	1:40,000	10:45	H-5073	1934	1:20,000	02:29		
H-2008	1890	1:40,000	10:1	H-5078	1934	1:20,000	03:15		
H-2009	1890	1:20,000	05:35	H-5042	1934	1:20,000	02:27		
H-2010	1890	1:20,000	03:40	H-5078	1934	1:20,000	03:16		
H-2011	1890	1:20,000	04:55	H-5095	1934	1:20,000	02:20		
H-2038	1890	1:10,000	01:12	H-5177	1934-35	1:20,000	03:19		
H-4075	1919	1:20,000	01:22	H-5179	1935	1:20,000	03:16		
H-4076	1919	1:20,000	02:39	H-5179	1935	1:20,000	03:16		
H-4076	1927	1:10,000	02:22	H-5179	1935	1:20,000	03:16		
H-4801	1928	1:20,000	03:20	H-5179	1935	1:20,000	03:16		
H-4811	1928	1:20,000	02:16	H-5179	1935	1:20,000	03:16		
H-4811a	1928	1:20,000	02:16	H-5179	1935	1:20,000	03:16		
H-5449	1930	1:20,000	02:22	H-5179	1935	1:20,000	03:16		
H-5056	1930	1:20,000	01:36	H-5179	1935	1:20,000	03:16		

