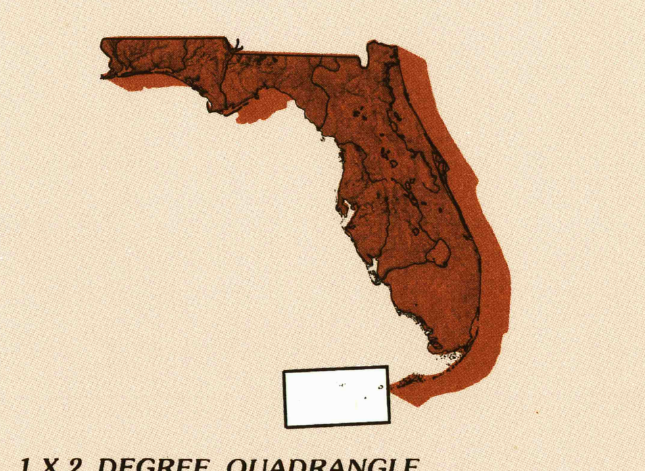
Dry Tortugas
FLORIDA

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



1 X 2 DEGREE QUADRANGLE SHOWING

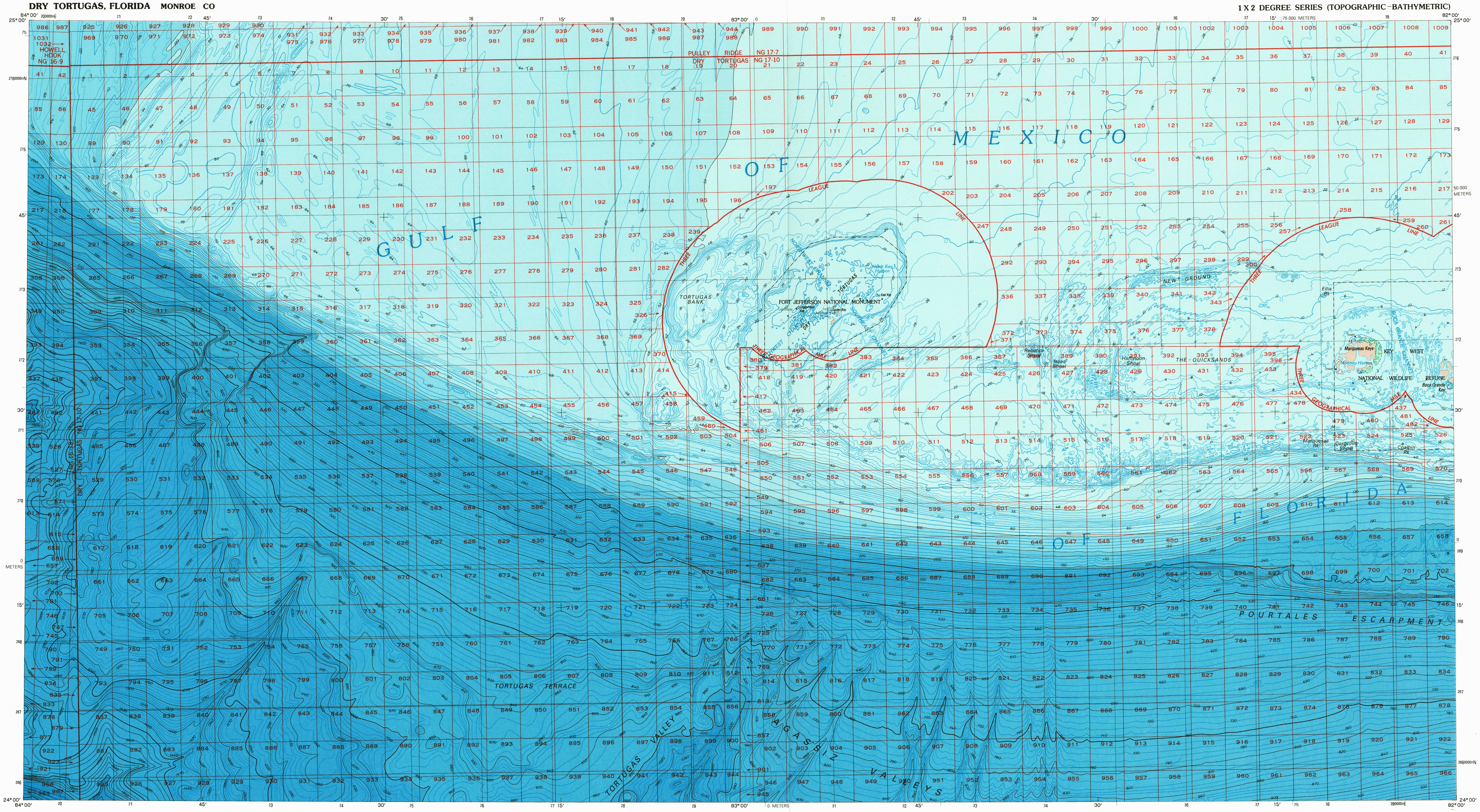
- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters

U.S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE

1989

DRY TORTUGAS, FLORIDA   MONROE CO

1 X 2 DEGREE SERIES (TOPOGRAPHIC–BATHYMETRIC)



SCALE 1:250 000
1 CENTIMETER ON THE MAP REPRESENTS 2.5 KILOMETERS ON THE GROUND
ENTIRE AREA BELOW 5 METERS

DRY TORTUGAS, FLORIDA
24082-A1-TB-250
1989

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

Compiled from USGS 1:100 000-scale map dated 1983
Map edited 1989

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 (heavy solid) line compiled by NOS from tide-coordinated aerial photographs.

North American Datum of 1983 (NAD 83). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 17. 25 000-meter grid ticks: Florida Coordinate System of 1983 (east zone)

The difference between NAD 83 and North American Datum of 1927 (NAD 27) for 7.5 minute intersections is given in USGS Bulletin 1875

Offshore protraction survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protraction Diagram dated April 8, 1981. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protraction Diagrams available from the Minerals Management Service

There may be private inholdings within the boundaries of the National or State reservations shown on this map

1989 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 1/2° (9MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 2° (36 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 8.4' WESTERLY

ENTIRE AREA BELOW 5 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

ELEVATIONS SHOWN TO THE NEAREST METER

BATHYMETRIC CONTOUR INTERVAL 10 METERS WITH SUPPLEMENTARY 2 METER CONTOURS TO 200 METER DEPTH. THENCE 50 METERS WITH SUPPLEMENTARY 10 METER CONTOURS TO MAXIMUM DEPTH
DATUM IS MEAN LOWER 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	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 Howell Hook*
2 Pulley Ridge*
3 Miami
4 Rankin*
5 Key West
6
7
8

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

- 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 (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
- 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

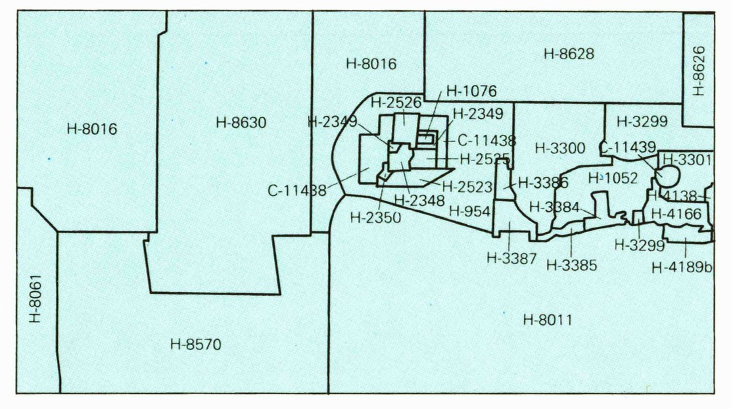
A pamphlet describing topographic maps is available on request

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-954	1867-68	1:80,000	1.5-3.0
H-1052	1870	1:40,000	80-2.5
H-1076	1871	1:80,000	2.0-5.0
H-2348	1897-98	1:10,000	.03-.13
H-2349	1897-98	1:10,000	.03-.10
H-2350	1898	1:20,000	.03-.05
H-2523	1901	1:20,000	.08-.31
H-2525	1901	1:10,000	.03-.05
H-2526	1901	1:10,000	.05-.10
H-3299	1911	1:40,000	.08-1.4
H-3300	1911	1:40,000	.80-1.2
H-3301	1911	1:20,000	.01-.24
H-3384	1912	1:20,000	.05-.20
NOS CHART 11438 JANUARY 6, 1979 1:30,000			

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-3385	1912	1:10,000	.02-.20
H-3386	1912	1:10,000	.02-.20
H-3387	1912	1:40,000	.10-.80
H-4138	1919	1:15,000	.01-.10
H-4166	1920	1:15,000	.04-.08
H-4189b	1919-20	1:40,000	.40-1.0
H-8011	1952+60	1:80,000	.10-1.0
H-8016	1952-54	1:200,000	1.0-3.0
H-8061	1953-54	1:200,000	1.0-5.0
H-8570	1960	1:200,000	1.1-1.3
H-8626	1961	1:40,000	.10-.30
H-8628	1960	1:80,000	.30-.50
H-8630	1961	1:80,000	.30-1.3
NOS CHART 11439 MAY 30, 1981 1:80,000			

HYDROGRAPHIC SURVEY INDEX



Photographic copies of the above and prior surveys may be obtained at the cost of reproduction by addressing the director (N/CG 243), National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852