30085-A1-TB-100

Panama City
FLORIDA

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

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 SERVICE

1981

PANAMA CITY, FLORIDA

30 X 60 MINUTE SERIES (TOPOGRAPHIC–BATHYMETRIC)

Produced by the United States Geological Survey and National Ocean Service

Compiled from USGS 1:24 000-scale topographic maps dated 1943–1956
Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1981
Bathymetry added 1984

Bathymetry compiled by the National Ocean Service 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 16: Universal Transverse Mercator
25 000-foot grid ticks based on Florida coordinate system, north zone
1927 North American Datum
To place on a projection protracted with North American Datum 1983 move the projection lines 19 meters south and 7 meters west

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 June 7, 1983. 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 Minerals Management Service

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
SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS
BATHYMETRIC CONTOUR INTERVAL 3 METERS WITH SUPPLEMENTARY 1 METER CONTOURS—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
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 Crestview
2 Marianna
3 Bainbridge
4 Fort Walton Beach
5 Tallahassee
6
7 Port Saint Joe
8 Carabelle

FOR SALE BY U.S. GEOLOGICAL SURVEY, 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

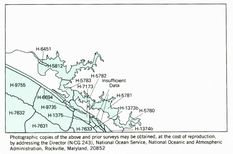
USGS NMD HISTORICAL MAP
FEB 19 1986
REC'D FILE COPY

Exposed at low tide
DEPTH GRADIENT
0 Feet
20
65.6
Meters 0
Maximum depth

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY SOUNDING INTVL (MILES)
H-1372b	1877	1:40,000	.05-1.1
H-1374b	1877	1:20,000	.03-.80
H-1375	1877	1:10,000	.01-.40
H-5707	1935	1:10,000	.01-.06
H-5781	1935	1:10,000	.02-.06
H-5782	1935	1:10,000	.02-.07
H-5783	1935	1:10,000	.01-.06
H-6812	1936	1:10,000	.01-.06
H-6857	1947	1:20,000	.03-.34
H-6894	1947	1:20,000	.02-.10
H-7173	1947	1:10,000	.01-.15
H-7631	1947	1:40,000	.15-.20
H-7632	1947	1:40,000	.06-.20
H-7633	1947	1:40,000	.06-.78
H-9735	1977–78	1:20,000	.05-.12
H-9755	1978	1:20,000	.05-.10

HYDROGRAPHIC SURVEY INDEX



Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director (N/CG243), National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland, 20852

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 5 METERS

PANAMA CITY, FLORIDA
30085-A1-TB-100
1981

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981