



PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SERVICE

Base map prepared by Defense Mapping Agency by photogrammetric methods and from 1:24,000-scale maps dated 1947-1950. Field checked 1953. Revised by the U. S. Geological Survey from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1980.

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. Bathymetric survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used at the date of the survey. This information is not intended for navigational purposes.

Offshore protection survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams, dated Oct. 31, 1974. The projections on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protection Diagrams available from the Bureau of Land Management.

Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 18. 100,000-foot grid ticks based on North Carolina coordinate system, 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 1.2 meters south and 28 meters west.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

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

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

- Over 500,000
- 100,000 to 500,000
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- Less than 1,000

RAILROADS

- Normal gauge
- Narrow gauge
- Single track
- Double or multiple track

BOUNDARIES

- International
- State
- County
- Park or reservation

ROADS

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail

Interchange

- Route markers: Interstate, U.S., State
- Power line
- Landmark: School, Church, Other
- Spot elevation in feet
- Marsh or swamp
- Approximate shoreline
- Sounding datum line

Other features:

- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods brushwood

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET

WITH SUPPLEMENTARY CONTOURS AT 25-FOOT INTERVALS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVAL 1.0 METERS

WITH SUPPLEMENTARY CONTOURS AT 2 METER INTERVALS

DATUM: MEAN LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

1980 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 6°N (120 MILES) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 9° (140 MILES) WESTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092

AND BY NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

NATIONAL OCEAN SERVICE HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-9060	1969	1:80,000	10-40

NOS CHART 11548 JULY 25, 1970 1:80,000
NOS CHART 11550 SEPTEMBER 18, 1970 1:80,000
NOS CHART 11551 DECEMBER 12, 1970 1:80,000
NOS CHART 11554 SEPTEMBER 6, 1970 1:80,000
NOS CHART 12025 JANUARY 16, 1971 1:80,000

NATIONAL OCEAN SERVICE HYDROGRAPHIC SURVEY INDEX

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INTERIOR-GEOLOGICAL SURVEY, RESTON VIRGINIA-1984

GRID ZONE DESIGNATION: 18S

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

SAMPLE POINT: MISC

1. Read letters identifying 100,000 meter square in which the point lies.

2. Locate first VERTICAL, and then LEFT of point and read LATITUDE from marking the line, either in the top or bottom margin, as on the line sheet.

3. Locate first HORIZONTAL, and then RIGHT of point and read LONGITUDE from marking the line, either in the top or bottom margin, as on the line sheet.

4. Estimate fourths from grid line to point.

5. If marking shows 50' or 100' in direction, prefix Grid Zone Designation as: 18SP50

SAMPLE REFERENCE

UPS 97

18SP50

USGS 180 HISTORICAL
APR 26 1996
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ROCKY MOUNT, NORTH CAROLINA
1953
REVISED 1980
SHORELINE REVISED AND BATHYMETRY ADDED
1982
TOPOGRAPHIC-BATHYMETRIC

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