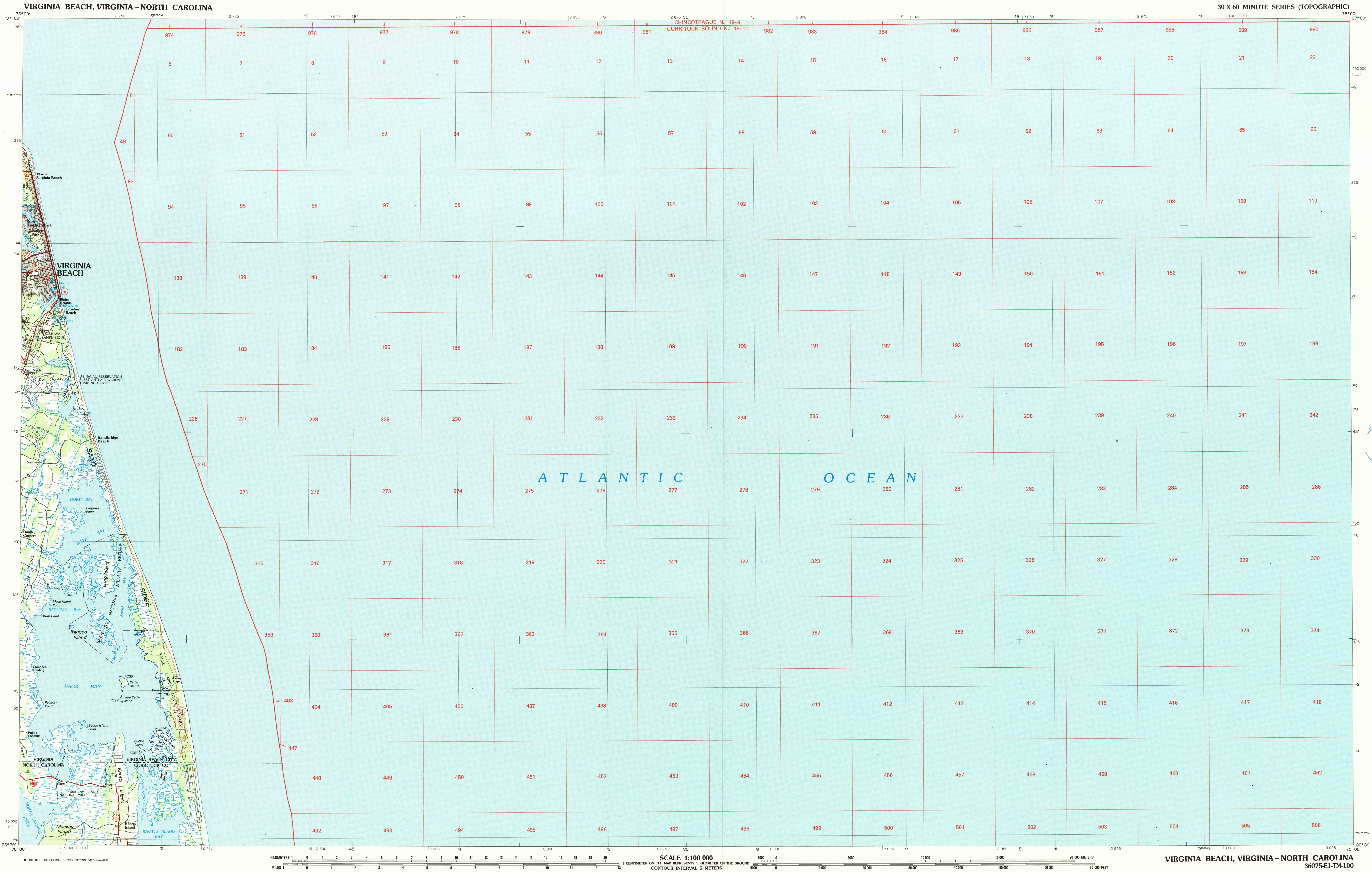




Virginia Beach

VIRGINIA—NORTH CAROLINA

1:100 000-scale metric topographic map

30 X 60 MINUTE QUADRANGLE SHOWING

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

GEOLOGICAL SURVEY

1990

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1971-1980. Planimetry revised from aerial photographs taken 1982 and 1987 and other source data. Revised information not field checked. Map edited 1990.

Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator

25 000-foot grid ticks based on Virginia coordinate system, south zone

1927 North American Datum

To place on the predicted North American Datum 1983, move the projection lines 10 meters south and 31 meters west

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 12, 1975 and April 25, 1978. The protections on this map are not for Federal leasing purposes, for each purpose, refer to the 1:250 000-scale OCS Official Protection 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

ELEVATIONS SHOWN TO THE NEAREST METER

USGS MAPS COMPLY WITH NATIONAL MAP ACCURACY STANDARDS

MAR 13 1991

REC'D FILE COPY

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

10° 17' 187 MILES 0° 10' 5 MILES

UTM grid convergence (GCM) and 1983 magnetic declination (MDM) at center of map. Diagram is approximate.

ADJOINING MAPS	1	2	3
1 Williamsburg			
2 Chertont			
3 Norfolk			
4 Elizabeth City			
5 Currituck Sound			
6			
7			
8			

FOR SALE BY U. S. GEOLOGICAL SURVEY

DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

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 gauge, narrow gauge

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: projected

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

Ruin; cliff dwelling

Distorted surface: strip mine, levee, 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