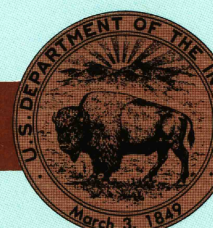


**1:100 000-scale  
planimetric map**

**30 X 60 MINUTE QUADRANGLE  
SHOWING**

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- 
- Geographic names



GEOLOGICAL SURVEY

1984

**Produced by the United States Geological Survey**  
Compiled from USGS and AMS 1:24,000-scale topographic maps dated 1953-1981. Placerminers revised from aerial photographs taken 1984 and other source data. Revised information not field checked. May edition. 1989.

Projection and 10,000-meter grid, zone 18: Universal Transverse Mercator 25 000-foot grid ticks based on New Jersey coordinate system 1927 North American Datum

To place this map in context, the North American Datum 1983 move the projection lines 6 meters south and 33 meters west

Offshore protection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf (OCS) and Federal leasing programs. For more information on protection on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection Diagrams available from the Minerals Management Service

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

NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

### 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	29.5275
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 1984 magnetic declination (MN) at center of map Diagram is approximate

### ADJOINING MAPS

1	2	3
1	2	3
4	5	6
7	8	9

1 Reading  
2 Traction  
3 Long Reach  
4 Wilmington  
5 Dover  
6 Atlantic City  
7  
8

FOR SALE BY U. S. GEOLOGICAL SURVEY  
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	
Arterial, 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: 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	
Contour: contour, 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	
Small navigable	
Outcrop, vegetation	

A pamphlet describing topographic maps is available on request.

USGS NMD HISTORICAL MAP

FEB 19 1986

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