

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ARTHUR KILL QUADRANGLE
NEW YORK-NEW JERSEY
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York Department
of Transportation
Control by USGS, NOS/NOAA, and USCE
Planimetry by photogrammetric methods from aerial photographs and from NOS
charts T-5105, T-5106, T-5107, T-5108, T-5109, T-5110 and T-8540
Topography in New York by photogrammetric methods from aerial photographs
1954. Field checked 1955. Topography in New Jersey by planimetric surveys 1955.
Revised from aerial photographs taken 1966. Field checked 1966.
Selected hydrographic data compiled from NOS charts 285 (1966), 286 (1966),
and 369 (1967). This information is not intended for navigational purposes.
Polyconic projection, 10,000-foot grid ticks based on New York coordinate system, Long
Island zone, and New Jersey coordinate system. 1000-meter Universal Transverse
Mercator grid ticks, zone 18, shown in blue. 1927 North American Datum. To place
on the predicted North American Datum 1983 move the projection lines 6 meters
south and 34 meters west as shown by dashed corner ticks.
Red tint indicates areas in which only landmark buildings are shown.
There may be private inholdings within the boundaries of
The National or State reservations shown on this map.

UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4.8 FEET IN RARITAN BAY
AND 5.1 FEET IN ARTHUR KILL
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs
taken 1976 and other sources. This information not
field checked. Map edited 1981.
Purple tint indicates extension of urban areas

ARTHUR KILL, N.Y.-N.J.
N4030-W7407.5/7.5
1966
PHOTOREVISED 1981
DMA 6165 II SW-SERIES 9821

JAN 24 1983