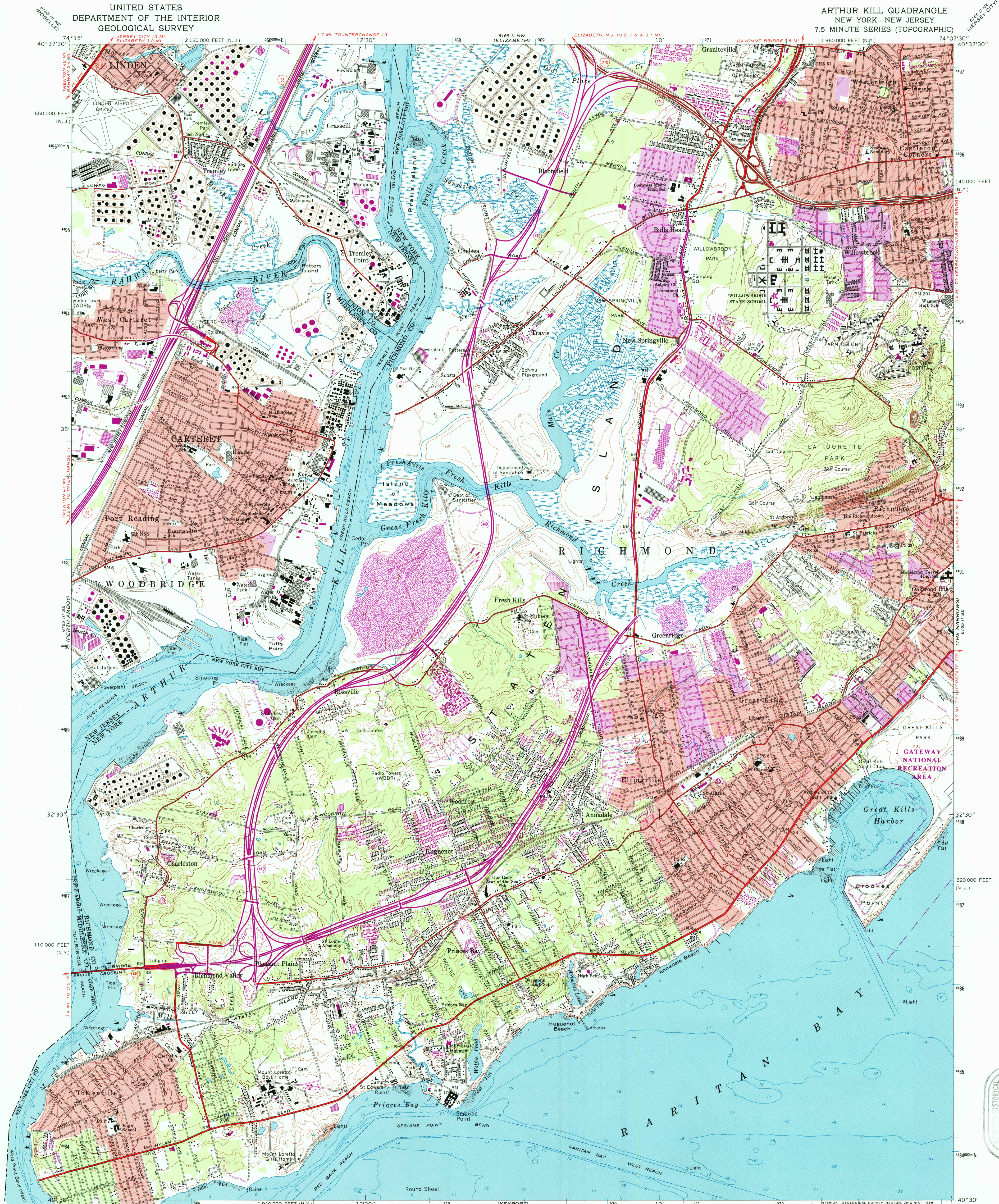


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

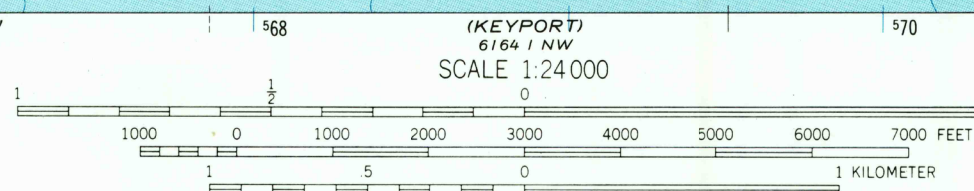
ARTHUR KILL QUADRANGLE  
NEW YORK-NEW JERSEY  
7.5 MINUTE SERIES (TOPOGRAPHIC)



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  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

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

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
Interstate Route U.S. Route State Route

ARTHUR KILL, N.Y.-N. J.  
40074-E2-TF-024  
1966  
PHOTOREVISED 1981  
DMA 6165 II SW-SERIES V821

U.S. GEOLOGICAL SURVEY  
MAPS AND AERIAL PHOTOGRAPHS  
MAY 3 1 1996  
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