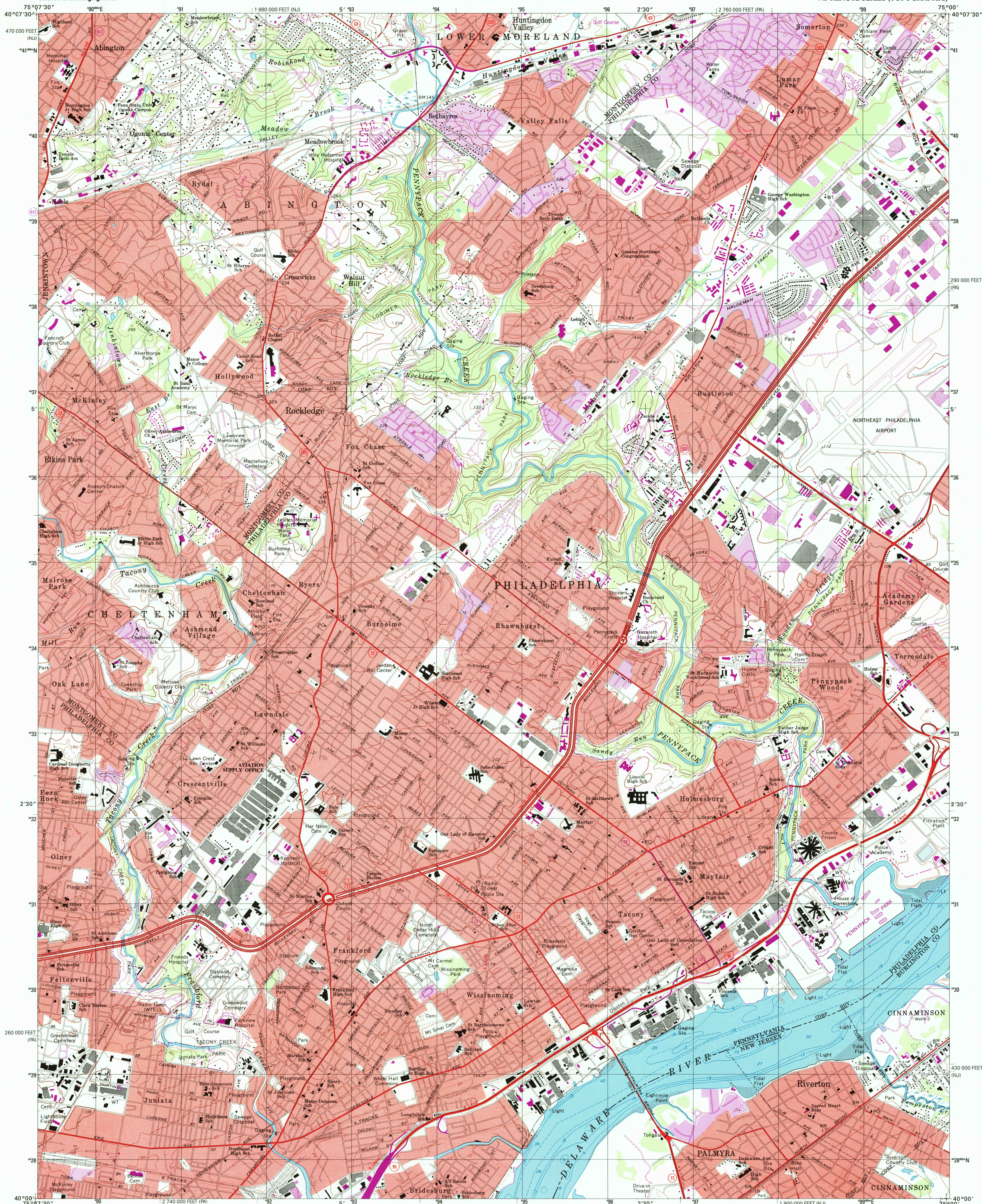




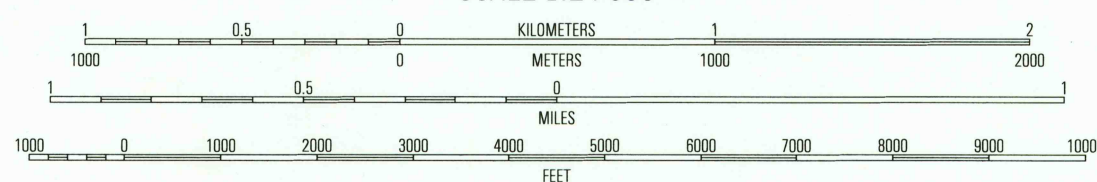
U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY

FRANKFORD QUADRANGLE  
PENNSYLVANIA-NEW JERSEY  
7.5-MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey  
in cooperation with Pennsylvania Department of Conservation  
and Natural Resources, Bureau of Topographic and Geologic Survey  
Topography compiled 1947. Planimetry derived from imagery taken  
1963 and other sources. Photomaps using imagery dated 1997;  
no major culture or drainage changes observed. Survey control  
current as of 1967. Boundaries, other than corporate, revised 1998  
North American Datum of 1927 (NAD 27)  
Projection: Pennsylvania coordinate system, south zone  
(Lambert conformal conic)  
10 000-foot ticks: Pennsylvania coordinate system, south zone and  
New Jersey coordinate system  
1000-meter Universal Transverse Mercator grid, zone 18  
North American Datum of 1983 (NAD 83) is shown by dashed  
corner ticks. The values of the shift between NAD 27 and NAD 83 for  
7.5-minute intersections are obtainable from National Geodetic  
Survey NADCON software  
Selected hydrographic data compiled from NOS chart 296 (1966)  
This information is not intended for navigational purposes  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map  
Information shown in purple may not meet USGS content standards  
and may conflict with previously mapped contours



CONTOUR INTERVAL 20 FEET  
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC DATUM OF 1929  
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048  
DEPTH CURVES AND SOUNDING IN FEET-DATUM IS MEAN LOWER LOW WATER  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 6 FEET  
THIS MAP COMPLEYS WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



1	2	3	4
5	6	7	8

ROAD CLASSIFICATION  
Primary highway  
Secondary highway  
Interstate Route  
U. S. Route  
State Route  
Light-duty road, hard or  
improved surface  
Unimproved road

FRANKFORD, PA-NJ

1997

NIMA 5964 II SE-SERIES V831

RECEIVE  
DEC 31 1993  
USGS NAD  
HISTORICAL MAP ARCHIVE

