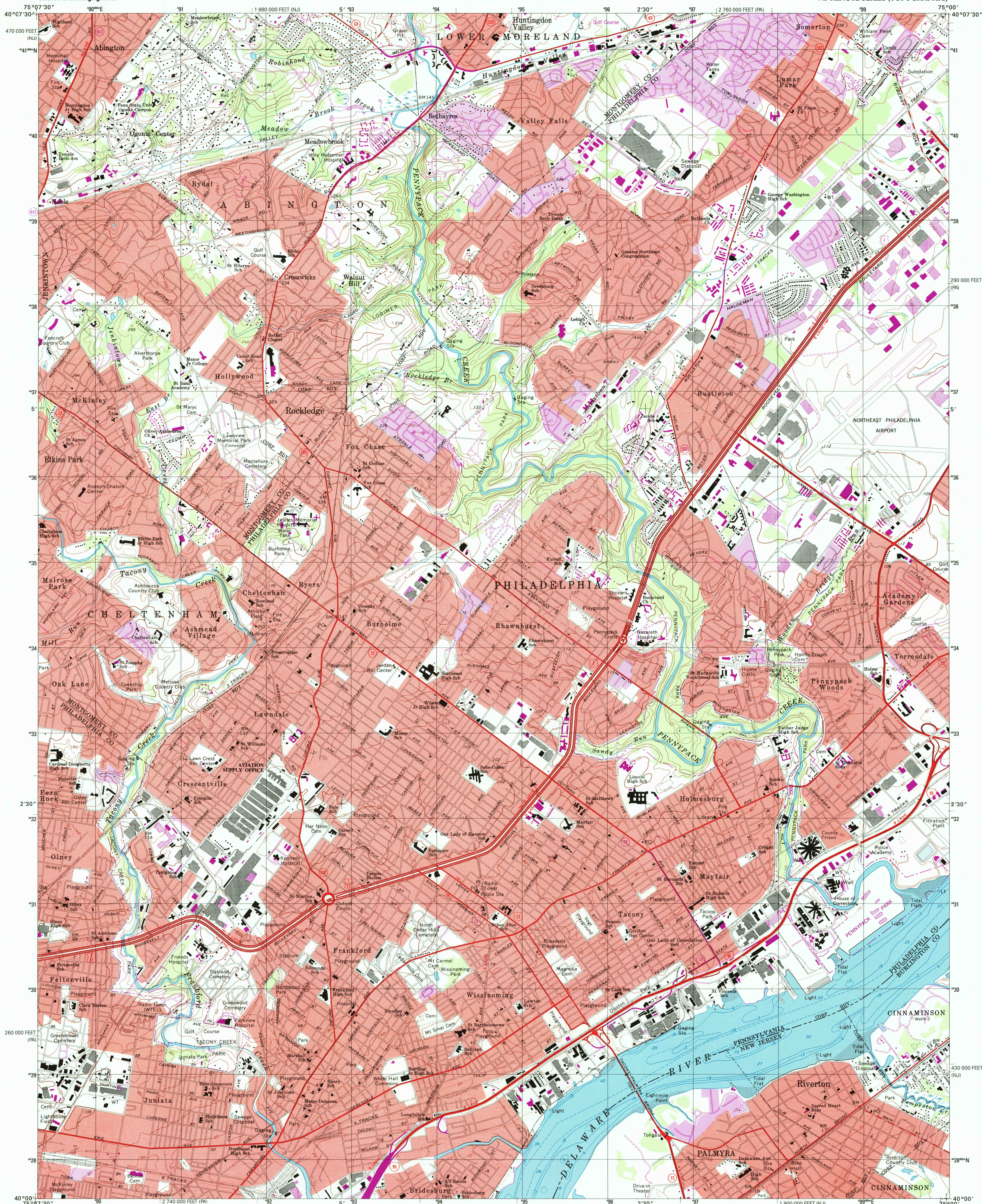




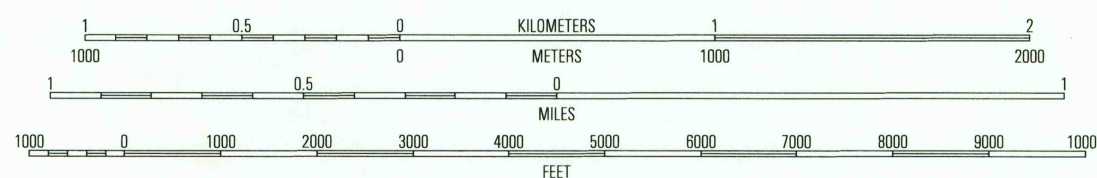
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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

RECEIVED
DEC 31 1993
USGS NAD
HISTORICAL MAP ARCHIVE

