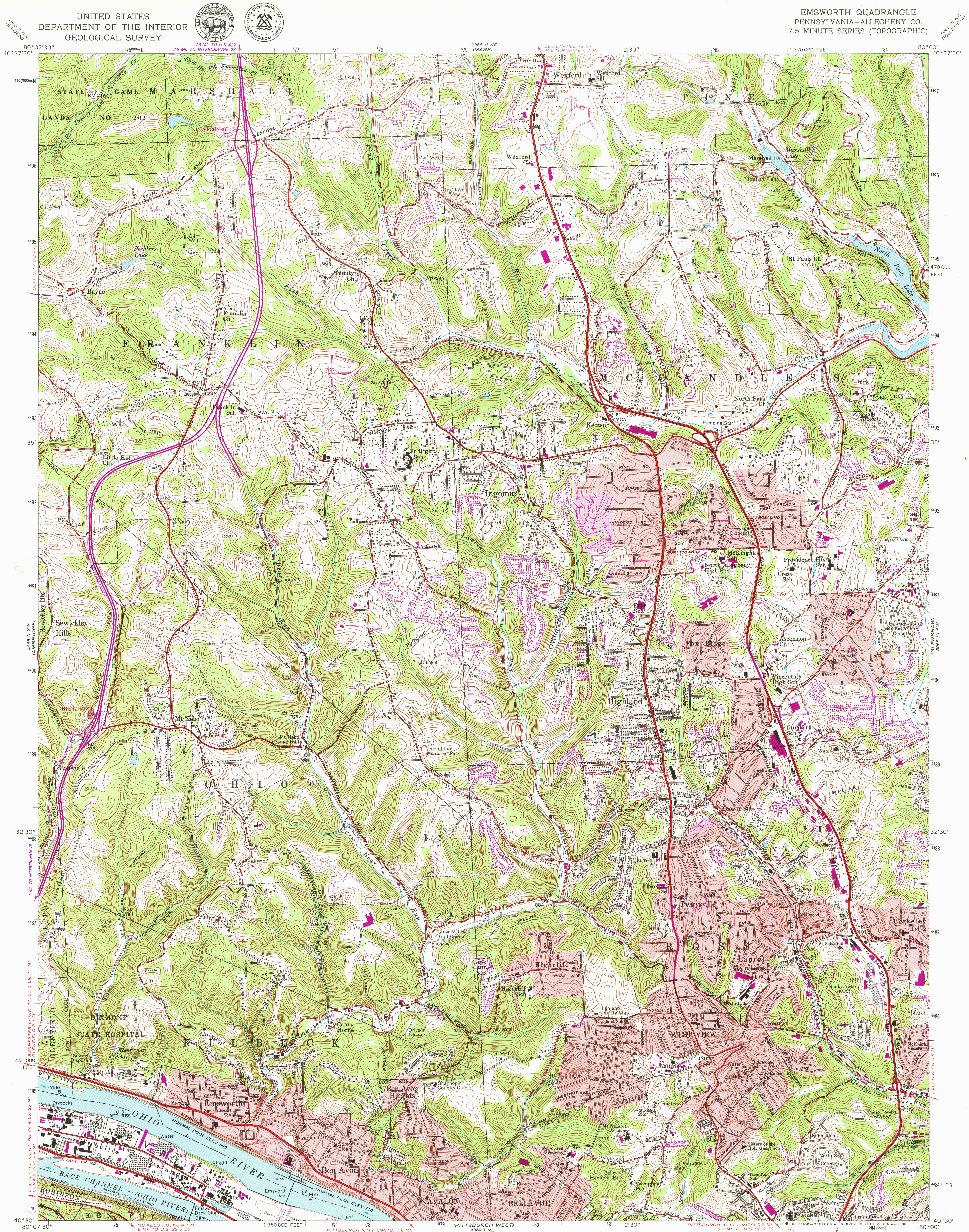
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EMSWORTH QUADRANGLE
PENNSYLVANIA—ALLEGHENY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

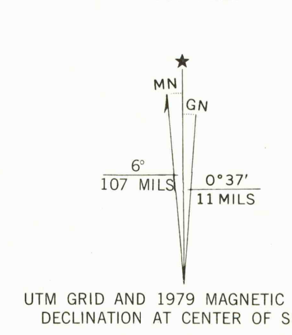
Topography from aerial photographs by photogrammetric methods 1953
Revised by photogrammetric methods from aerial photographs taken 1959. Field checked 1960

Polyconic projection. 1927 North American Datum
10,000-foot grid based on Pennsylvania coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

To place on the predicted North American Datum 1983 move the projection lines 4 meters south and 18 meters west as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked



UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Red tint indicates areas in which only landmark buildings are shown

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL ~~10~~ 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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

ROAD CLASSIFICATION

Heavy-duty ▬ Light-duty ═
Medium-duty ▬ Unimproved dirt ┅
U. S. Route State Route ○

PENNSYLVANIA
QUADRANGLE LOCATION

USGS
Historical File
Topographic Division

Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies from aerial photographs taken 1977 and other source data. This information not field checked. Map edited 1979

Purple tint indicates extension of urban areas

EMSWORTH, PA.
N4030—W8000/7.5
1960
PHOTOREVISED 1979
AMS 4965 II SE--SERIES V831

DEC - 2 1979

2500