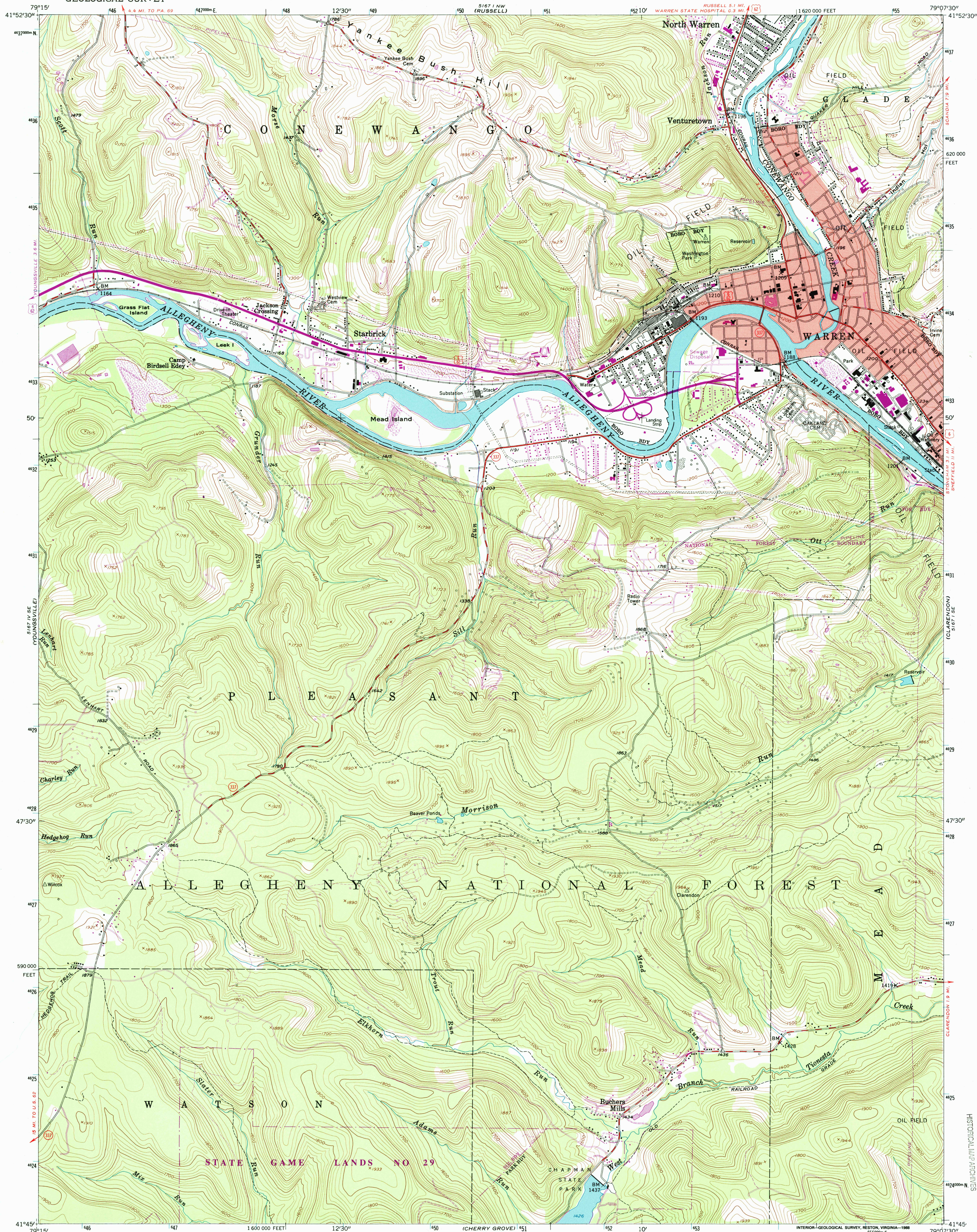
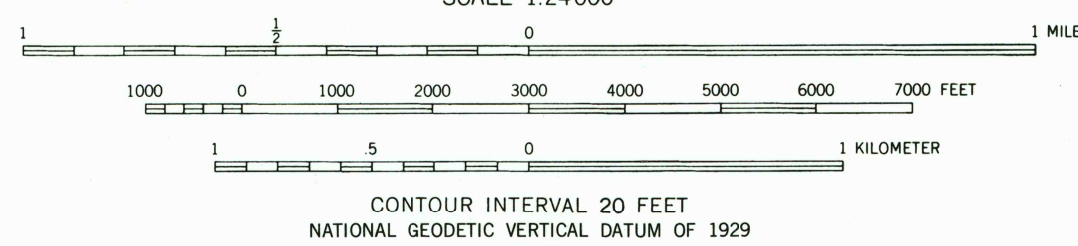
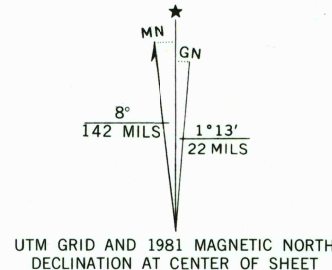


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WARREN QUADRANGLE  
PENNSYLVANIA—WARREN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial  
photographs taken 1953. Field checked 1954  
Polyconic projection. 10,000-foot grid ticks based on Pennsylvania  
coordinate system, north zone. 1000-meter Universal Transverse  
Mercator grid ticks, zone 17, shown in blue. 1927 North  
American Datum. To place on the predicted North American  
Datum 1983 move the projection lines 2 meters south and 20  
meters west as shown by dashed corner ticks  
Red tint indicates areas in which only landmark buildings are shown  
Unlabelled wells are oil wells  
Oil and gas wells omitted in labeled oil field areas  
Unchecked elevations are shown in brown  
There may be private inholding within the boundaries of the  
National or State reservations shown on this map



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and woodland compiled in  
cooperation with Commonwealth of Pennsylvania agencies  
from aerial photographs taken 1977 and other sources  
This information not field checked. Map edited 1981

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

WARREN, PA.

41079-G2-TF-024

1954  
PHOTOREVISED 1981  
DMA 5167 1 SW-SERIES V831

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FEB 28 1999  
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