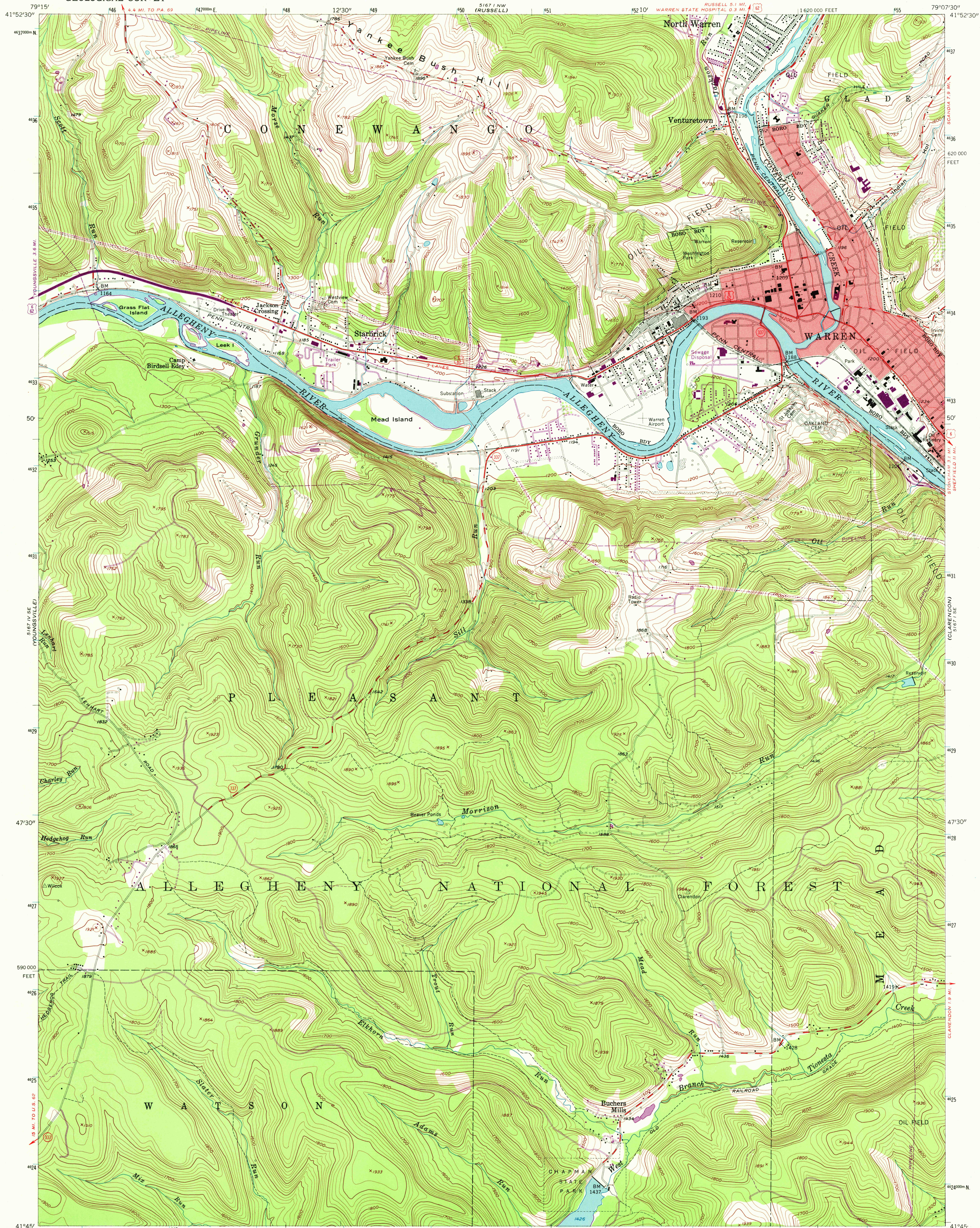
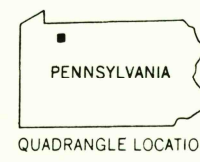
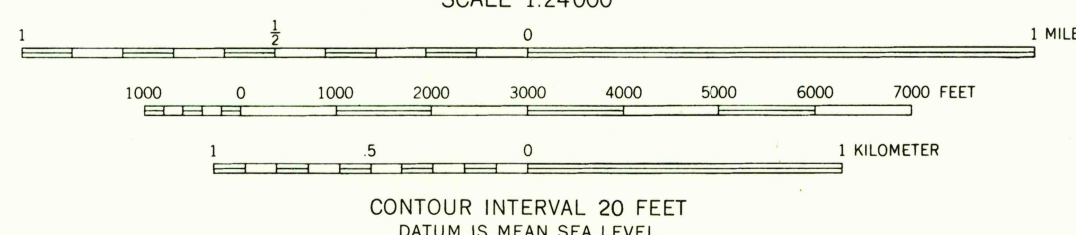
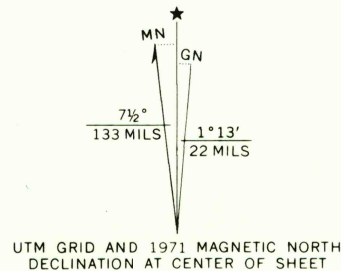


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric
methods. Aerial photographs taken 1953. Field check 1954
Polyconic projection, 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system,
north zone
Red tint indicates area 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
1000-meter Universal Transverse Mercator grid ticks
zone 17, shown in blue



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

USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

WARREN, PA.
N 4145—W 7907.5/7.5
1954
PHOTOREVISED 1971
AMS 5167 I SW—SERIES V831

Revisions shown in purple compiled in cooperation with
State of Pennsylvania agencies from aerial photographs
taken 1971. This information not field checked

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

NOV 16 1972

2645