

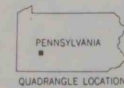
Mapped, edited, and published by the Geological Survey
Control by USGS, NOS/NOAA, and USCE
Topography by photogrammetric methods from aerial photographs
taken 1962. Field checked 1964
Polyconic projection, 10,000-foot grid ticks based on Pennsylvania
coordinate system, south zone. 1000-meter Universal 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 4 meters south and 20 meters west
as shown by dashed corner ticks
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
Areas covered by dashed light-blue pattern are subject to controlled
inundation by Conemaugh Dam
There may be private inholdings within the boundaries
of the National or State reservations shown on this map

UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000
1 000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

LOWER KITTANNING
PITTSBURGH

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



BOLIVAR, PA.
N4022.5—W7907.5/7.5

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

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

1964
PHOTOREVISED 1981
DMA 5164 1 NW-SERIES V831