

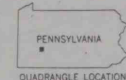
Mapped, edited, and published by the Geological Survey  
Control by USGS, NOS/NOAA, and USCE  
Topography by photogrammetric methods from aerial photographs  
taken 1962. Field checked 1964.  
Polyconic projection. 10,000-foot grid ticks based on Pennsylvania  
coordinate system, south zone. 1000-meter 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 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UPPER FREEPORT

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 5104.1 NW-SERIES V851