



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  
 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET  
 1 0 1 2 3 4 5 6 7 8 9 10 KILOMETER

CONTOUR INTERVAL 20 FEET  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

**BOLIVAR AREA 608 1/19**

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

UPPER FREEPORT  
 MAP MAY NOT BE  
 COMPLETE OR ACCURATE

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

PENNSYLVANIA  
 BOLIVAR AREA LOCATION

N4022.5—W7907.5/7.5  
 1964  
 PHOTOREVISED 1981  
 DMA 5164 1 NW—SERIES V831