



597 11 SE  
(RICH VALLEY)



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial photographs  
taken 1968. Field checked 1969  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Pennsylvania coordinate system,  
north zone  
1000-meter Universal Transverse Mercator grid ticks, zone 17,  
shown in blue  
To place on the predicted North American Datum 1983,  
move the projection lines 3 meters south and  
22 meters west as shown by dashed corner ticks  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map

UTM GRID AND 1986 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000  
CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION  
Primary highway, hard surface  
Secondary highway, hard surface  
Light-duty road, hard or improved surface  
Unimproved road  
Interstate Route  
U.S. Route  
State Route

QUADRANGLE LOCATION  
PENNSYLVANIA

RATHBUN, PA.  
41078-D4-TF-024  
1969  
PHOTOREVISED 1986  
DMA 5366 IV NW-SERIES V831

USGS NMD HISTORICAL MAP  
SEP 22 1986  
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