



Mapped, edited, and published by the Geological Survey  
Control by USGS, NOS/NOAA, and USCE  
Topography by photogrammetric methods from aerial  
photographs taken 1957. Field checked 1959  
Polyconic projection. 1927 North American Datum  
10,000-foot grid ticks 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 2 meters south and  
18 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  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map

UTM GRID AND 1990 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET  
89° 15' 15" W  
0° 27' 8" N  
Contours in strip mine areas may not accurately  
represent present topography

SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225 OR 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 1987 and other sources. This information not  
field checked. Map edited 1990  
Light purple tint indicates reclaimed strip mine areas

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

CONNEAUT LAKE, PA.  
41080-E3-TF-024  
1959  
PHOTOREVISED 1990  
DMA 4967 III SE—SERIES V831

USGS AND HISTORICAL MAP  
SEP 24 1990  
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