



Maped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1952. Field check 1958

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Pennsylvania coordinate system,  
south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

Fine red dashed lines indicate selected fence and field lines  
visible on aerial photographs. This information is unchecked  
Unchecked elevations are shown in brown

Contours in strip mine areas compiled from 1952 photography  
Map photinspected 1977  
No major culture or drainage changes observed

UTM GRID AND 1983 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

Revisions shown in purple compiled in cooperation with  
State of Pennsylvania agencies from aerial photographs  
taken 1969. This information not field checked

To place on the predicted North American Datum 1983,  
move the projection lines 3 meters south and  
18 meters west as shown by dashed corner ticks

SCALE 1:24,000

CONTOUR INTERVAL 20 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

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———

U.S. Route ——— State Route ———  
Interstate Route ———

RECEIVED  
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USGS AND  
HISTORICAL MAP ARCHIVES

EVANS CITY, PA.  
SE 1/4 ZELIENOPLE 15' QUADRANGLE  
40080-G1-IF-024  
PHOTOINSPECTED 1977  
1958  
PHOTOREVISED 1969  
DMA 4965 I SE-SERIES V831

QUADRANGLE LOCATION

9 780607 461961