



Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Pennsylvania Geodetic Survey

Topography from aerial photographs by photogrammetric methods

Aerial photographs taken 1955 and 1957. Field check 1958

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

Red tint indicates area in which only

landmark buildings are shown

Unchecked elevations are shown in brown

To place on the predicted North American Datum 1983,

move the projection lines 2 meters south and

17 meters west as shown by dashed corner ticks

Map photoinspected 1977
No major culture or drainage changes observed

SCALE 1:24,000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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 compiled in cooperation with
State of Pennsylvania agencies from aerial photographs
taken 1970. This information not field checked

GREENVILLE WEST, PA.

NW 1/4 SHENANGO 15' QUADRANGLE

41080-04-TF-025

PHOTOINSPECTED 1977

1958

PHOTOREVISED 1970

DMA 4968 IV NW-SERIES V831

USGS MAP HISTORICAL MAP

SEP 22 1988

REC'D FILE COPY