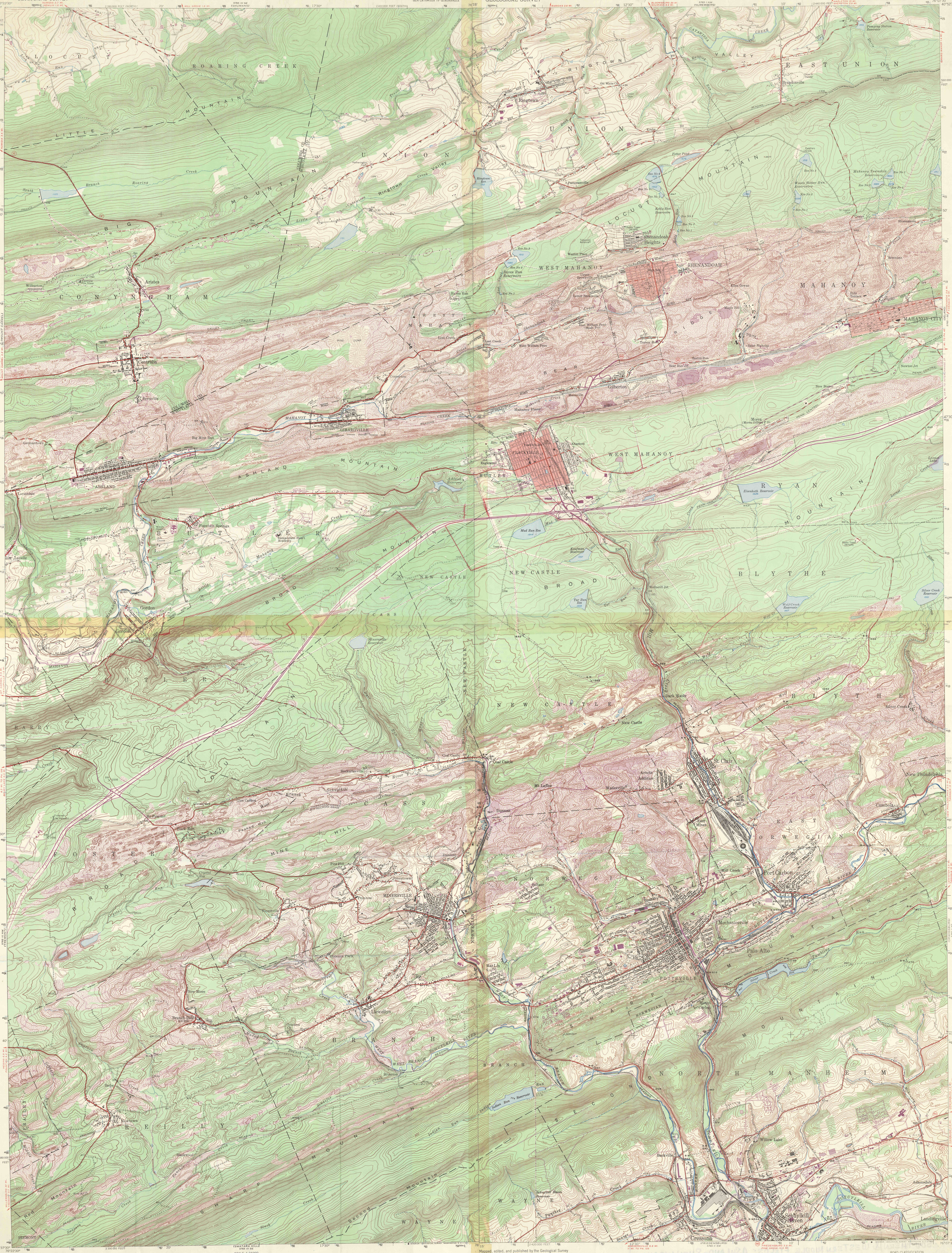
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ASHLAND QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 CATAWISSA 15' QUADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHENANDOAH QUADRANGLE
PENNSYLVANIA—SCHUYLKILL CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 MAHANOY 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1942. Field check 1944
Culture revised 1955

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 18, shown in blue

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

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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MINERSVILLE, PA.
NE/4 PINE GROVE 15' QUADRANGLE
N4037.5—W7615/7.5

1955
PHOTOREVISED 1969
AMS 5765 III NE—SERIES V831

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Topography by photogrammetric methods from aerial photographs taken 1942. Field checked 1944

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 18, shown in blue

Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies, from aerial photographs taken 1968
This information not field checked

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

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POTTSVILLE, PA.
NW/4 POTTSVILLE 15' QUADRANGLE
N4037.5—W7607.5/7.5

1944
PHOTOREVISED 1968
AMS 5765 II NW—SERIES V831