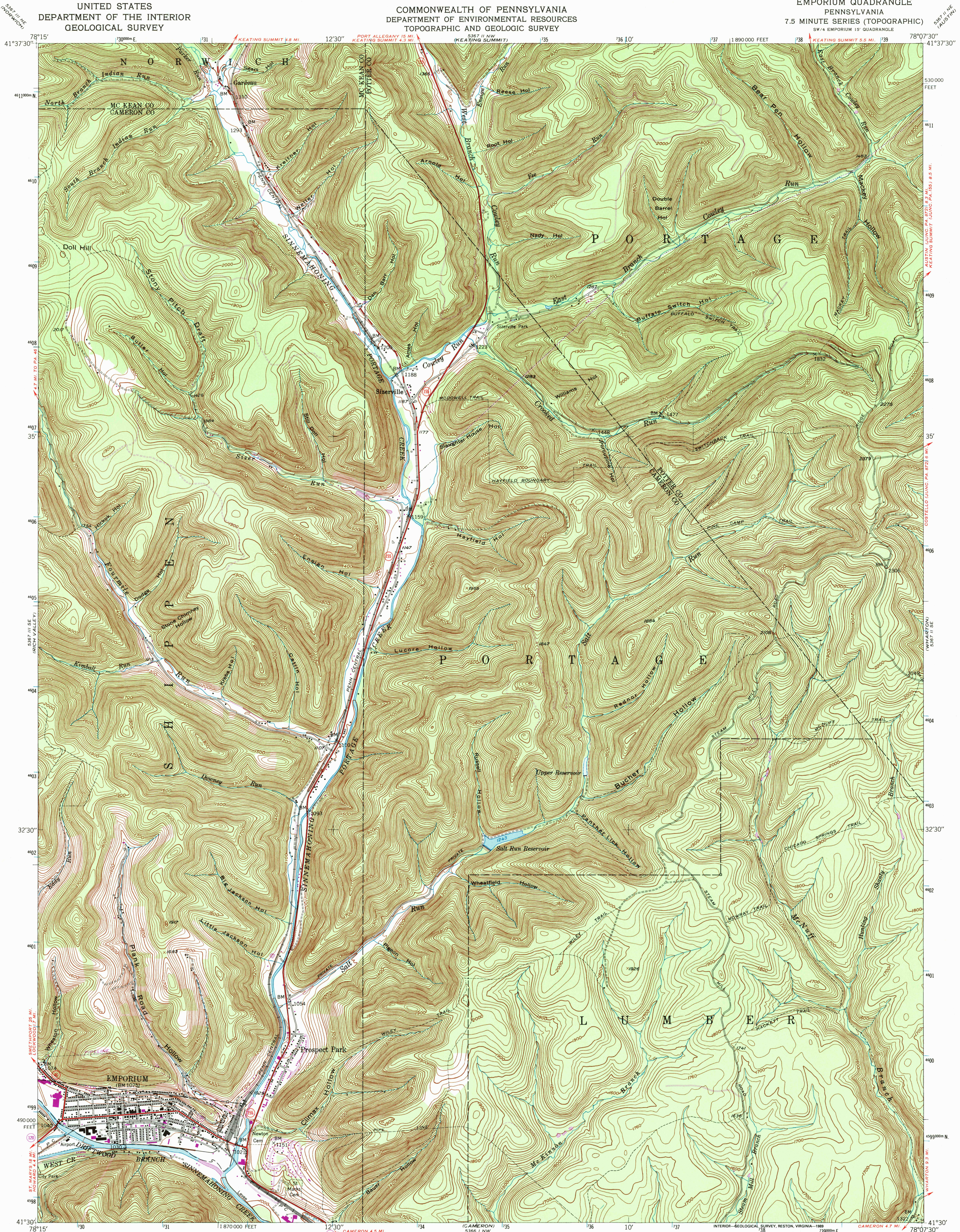




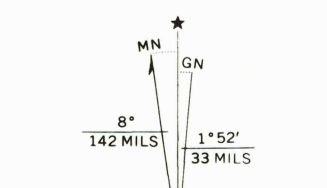
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1945. Field check 1948
Polyconic projection. 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system,
north zone

Civil division boundaries are approximate

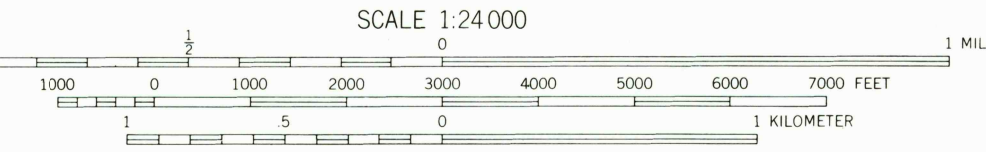
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue

Revisions shown in purple compiled in cooperation with State of
Pennsylvania agencies from aerial photographs taken 1971. This
information not field checked



UTM GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

Map photosinspected 1983
No major culture or drainage changes observed



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



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

ROAD CLASSIFICATION
HARD-SURFACE ALL WEATHER ROADS DRY WEATHER ROADS
Heavy-duty 2 LANE 16 LANE Improved dirt
Medium-duty 2 LANE 16 LANE Unimproved dirt
Loose-surface, graded, or narrow hard-surface
U. S. Route State Route

EMPORIUM, PA.
SW/4 EMPORIUM 15' QUADRANGLE
41078-E2-TF-024
PHOTOINSPECTED 1983
1948
PHOTOREVISED 1971
DMA 5367 II SW-SERIES V831

USGS INFO HISTORICAL
MAP ARCHIVES
SEP 13 1995
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1-9874-409-0 N831