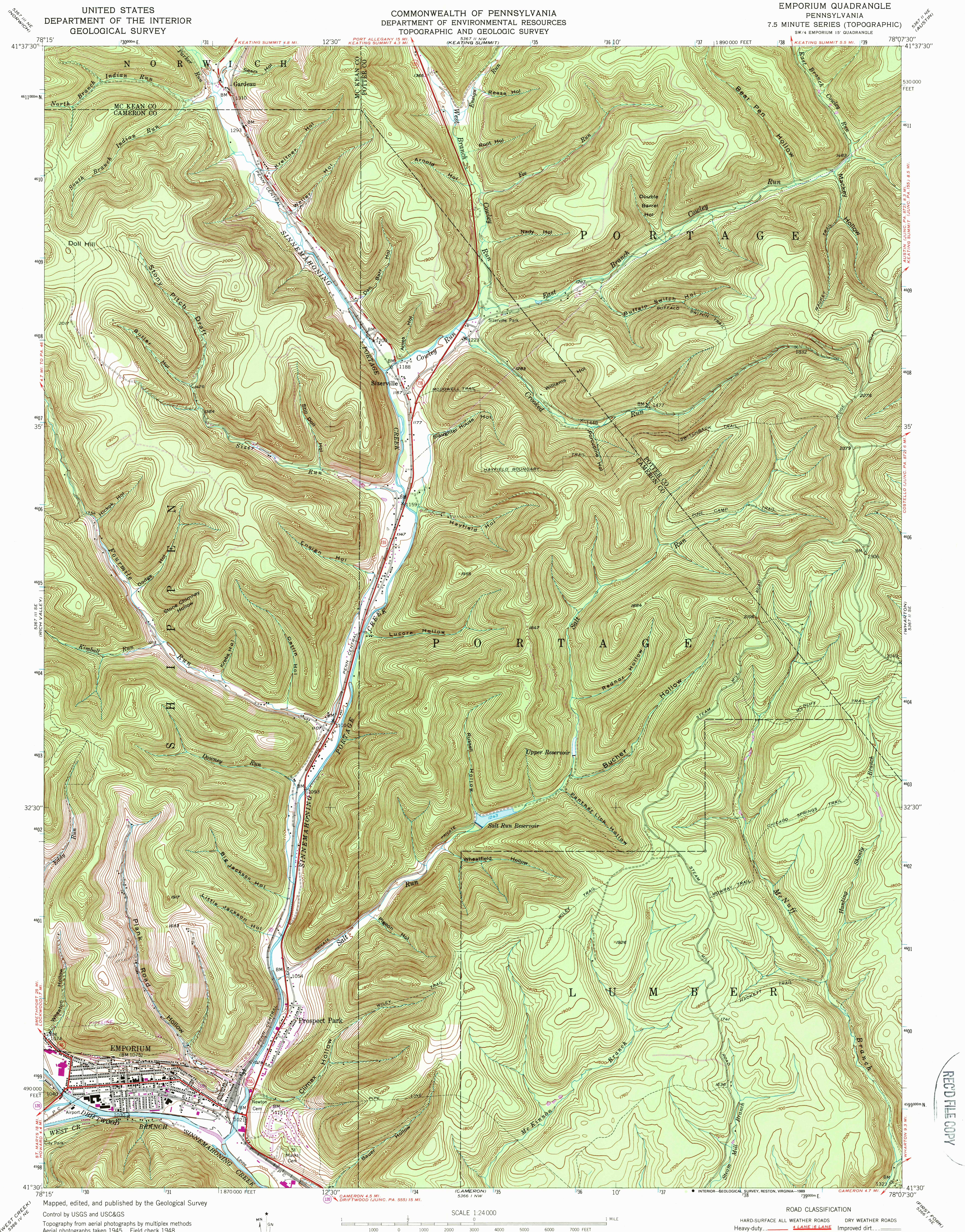
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
TOPOGRAPHIC AND GEOLOGIC SURVEY

EMPORIUM QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 EMPORIUM 15' QUADRANGLE



● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1989

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

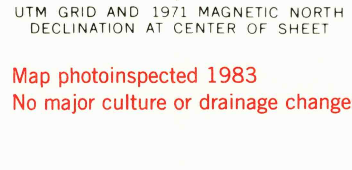
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1945. Field check 1948

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

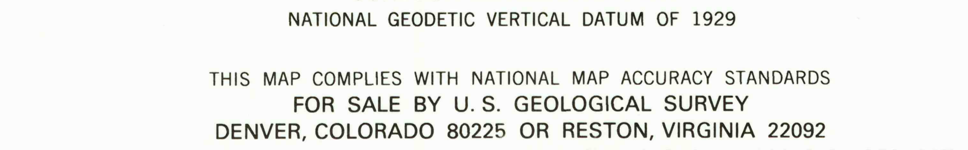
Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies from aerial photographs taken 1971. This information not field checked



UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

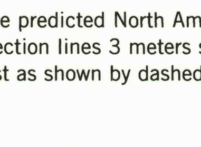
Map photoinspected 1983
No major culture or drainage changes observed

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



QUADRANGLE LOCATION

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	4 LANE | 6 LANE	Improved dirt
Medium-duty	4 LANE | 6 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 NMD HISTORICAL MAP
MAY 03 1989
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