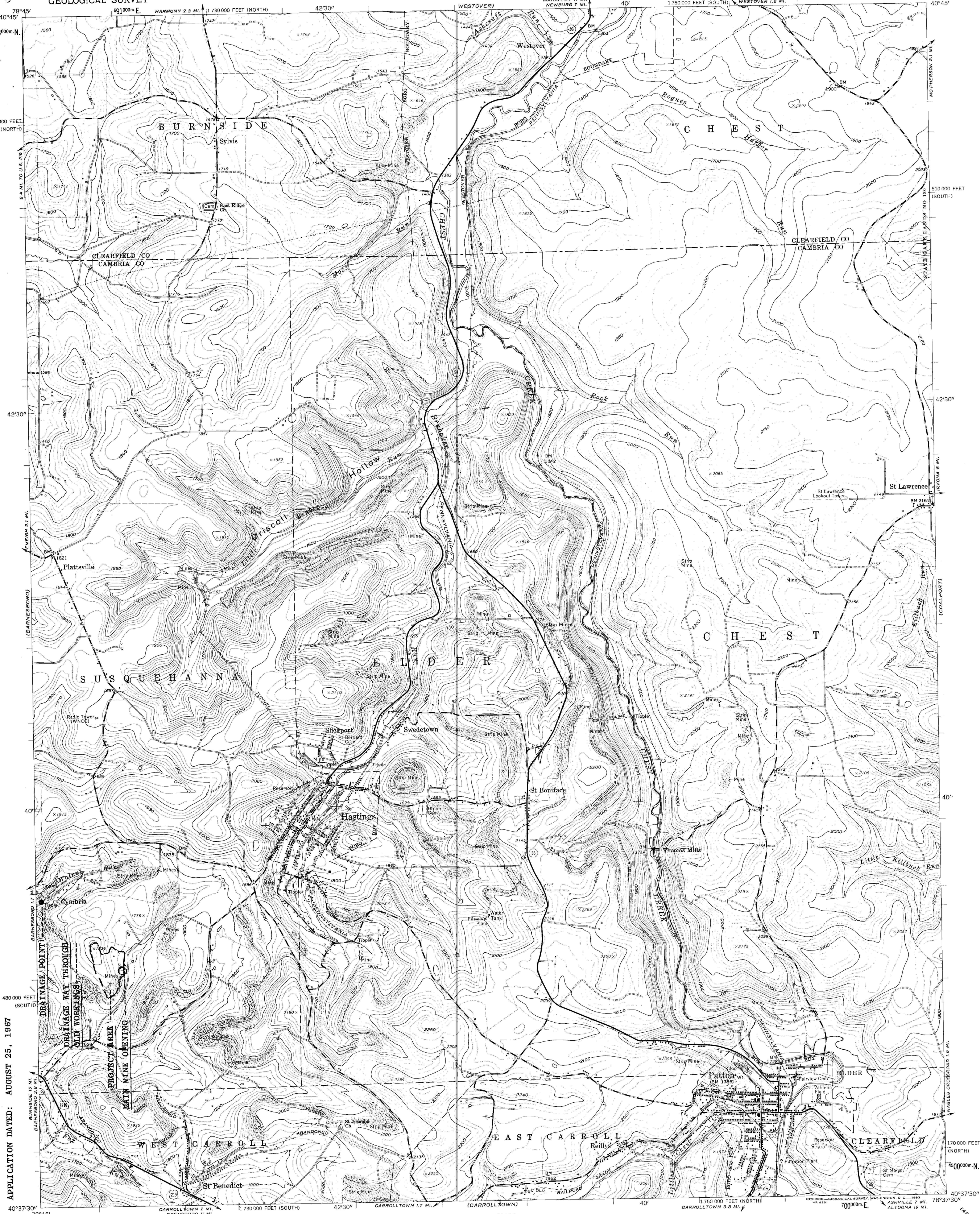


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW 1/4 PATTON 15' QUADRANGLE



CELESTINE B. HOLTZ, APPLICANT
MINE NO. 1, LOWER FREEPORT SEAM
EXISTING DRAINAGE PERMIT NO. 564M3
DRAINAGE THROUGH CYMBRIA NO. 1 MINE, ABANDONED,
TO WALNUT RUN
SUSQUEHANNA TOWNSHIP, CAMBRIA CO.

PREPARED BY - Martin C. Kirsch, PE
Spangler, Pa. 15775

APPLICATION DATED: AUGUST 25, 1967

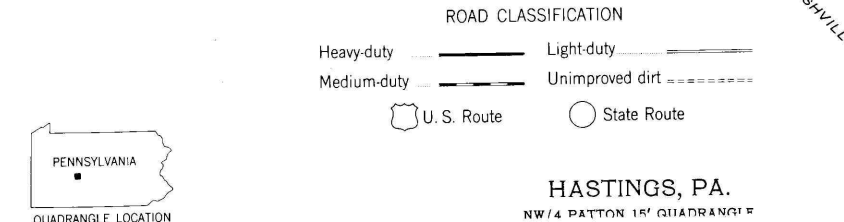
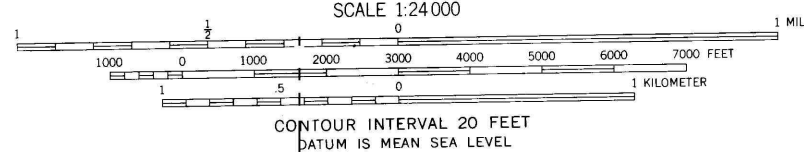
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1958. Field checked 1961

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

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN



HASTINGS, PA.
NW 1/4 PATTON 15' QUADRANGLE