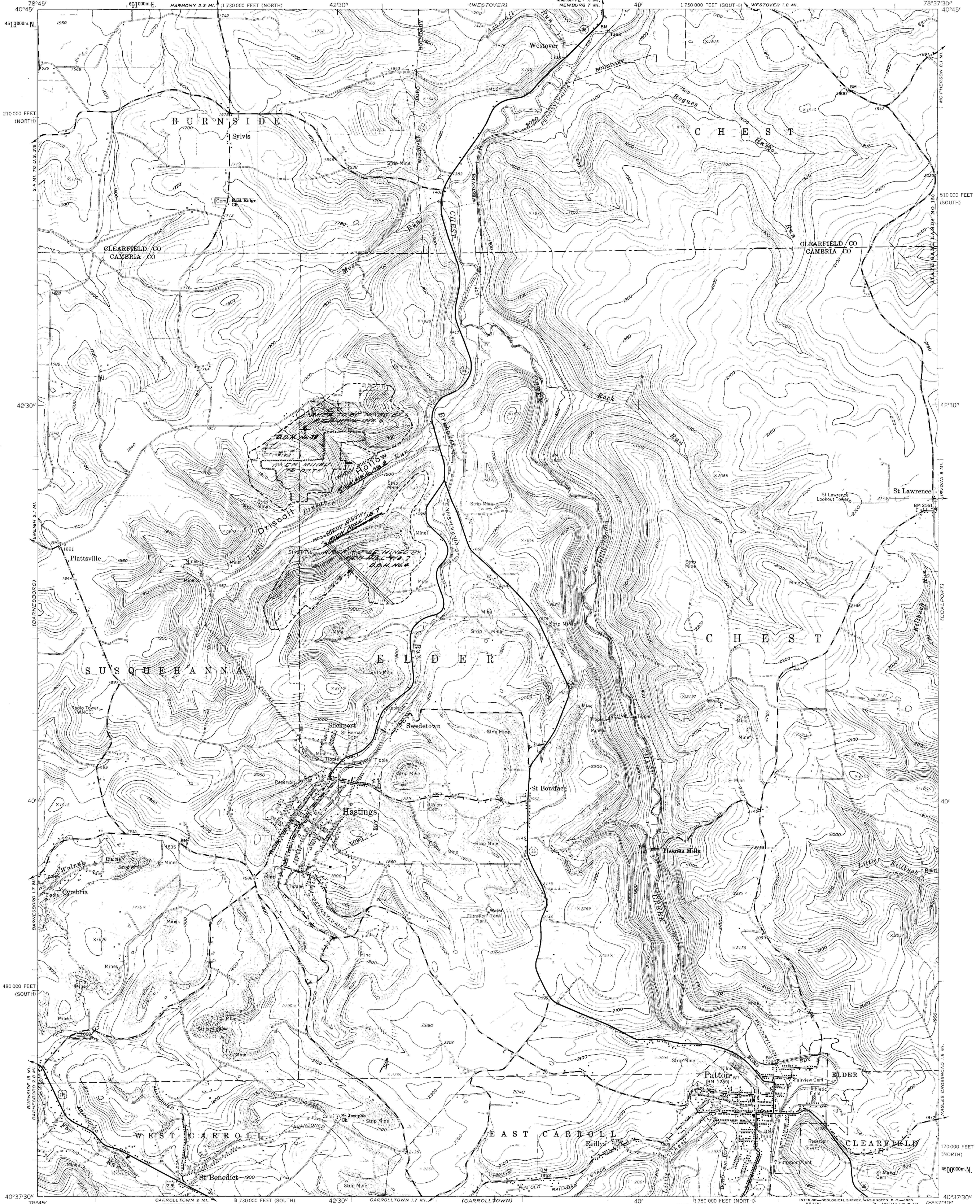


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

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



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
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked

63°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1961

SCALE 1:24,000
1 MILE
1 KILOMETER
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

RICH HILL NO. 6 MINE
PERMIT NUMBER-203-5
RICH HILL NO. 7 MINE
PERMIT NUMBER-203-6

ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Unimproved dirt
U. S. Route
State Route

PENNSYLVANIA
QUADRANGLE LOCATION

HASTINGS, PA.
NW 1/4 PATTON 15' QUADRANGLE
N 4037.5-W 7837.5/7.5
1961

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

RICH HILL COAL MINING CORPORATION
UPPER KITTANNING COAL AREAS TO BE MINED
No. 6 & 7 Mines
8-25-66
Klemstine

Benjamin R. De