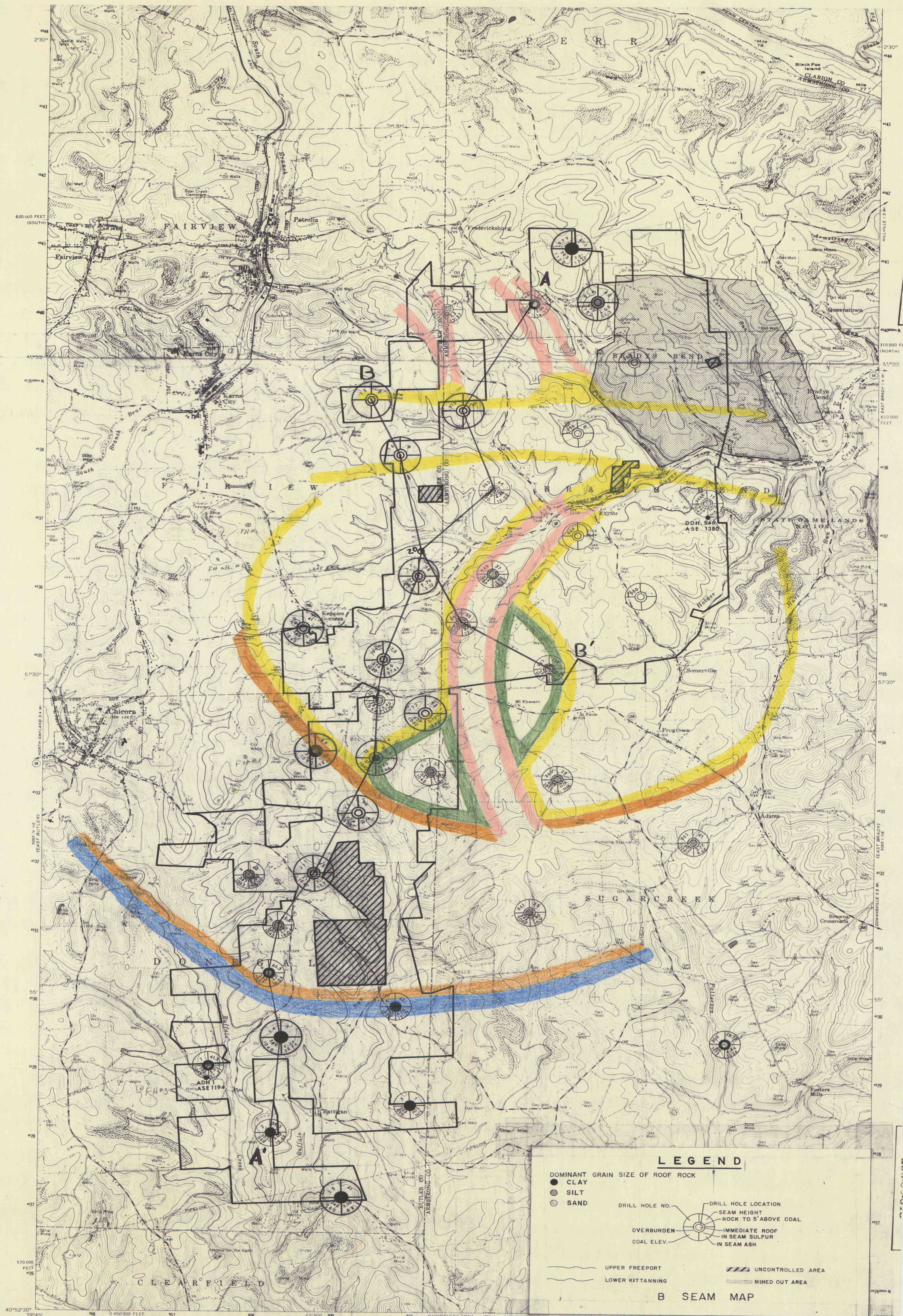




Maped, edited, and published by the Geological Survey
Control by USGS, USCGS and USCE
Topography by photogrammetric methods from aerial
photographs taken 1962. Field checked 1964
Polyconic projection 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
Revisions shown in purple compiled in cooperation with
State of Pennsylvania agencies from aerial photographs
taken 1972. This information not field checked

UTM GRID AND 1972 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

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

LEGEND

DOMINANT GRAIN SIZE OF ROOF ROCK
● CLAY
● SILT
● SAND

DRILL HOLE NO. DRILL HOLE LOCATION
SEAM HEIGHT
ROCK TO 5' ABOVE COAL
OVERBURDEN IMMEDIATE ROOF
COAL ELEV. IN SEAM SULFUR
IN SEAM ASH

UPPER FREEPORT
LOWER KITTANNING

UNCONTROLLED AREA
MINED OUT AREA

B SEAM MAP

ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light duty
Unimproved dirt
State Route

CHICORA, PA.
N4052.5-W7937.5/7.5
1964
PHOTOREVISED 1972

IMAPS 12044