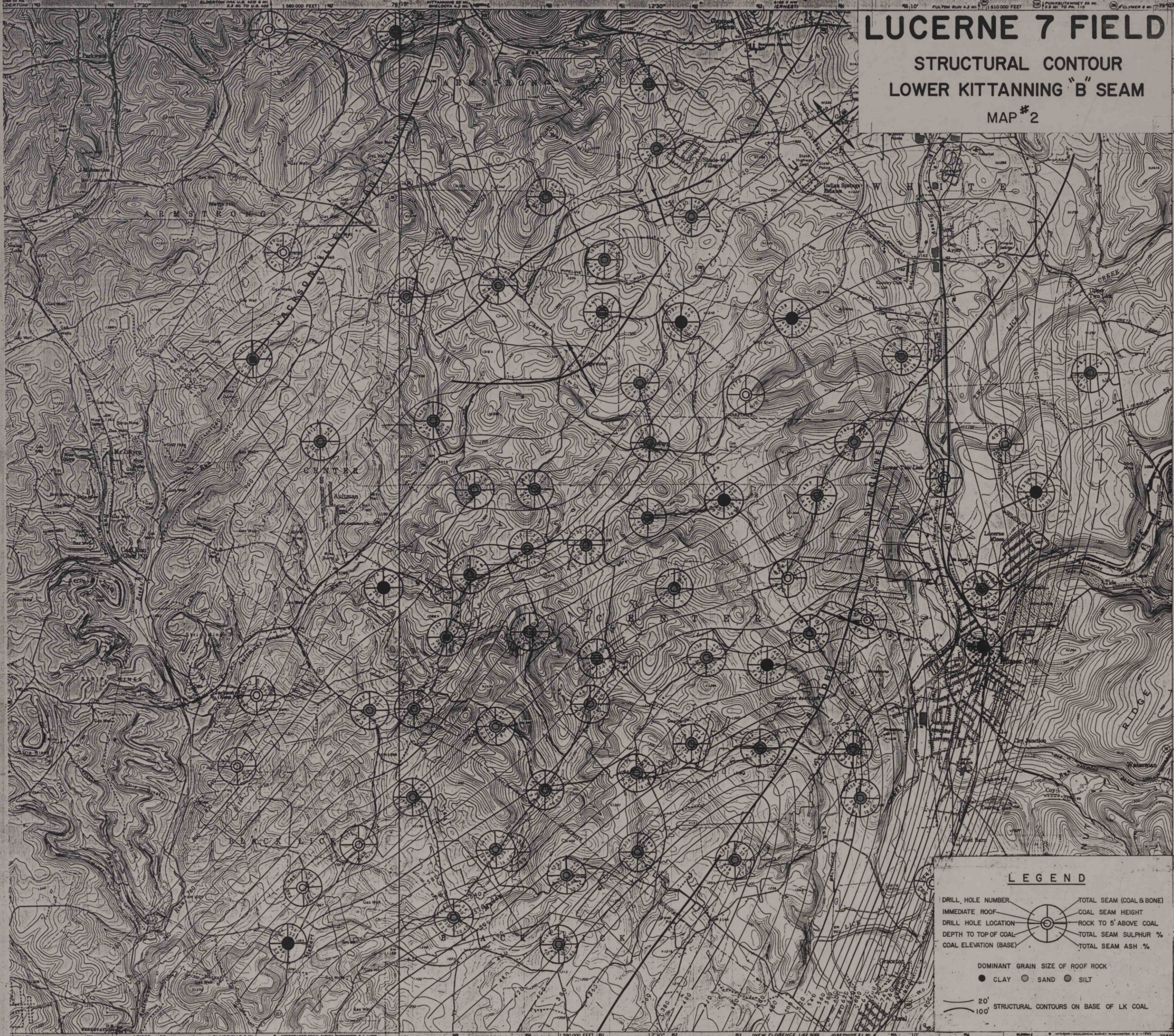


LUCERNE 7 FIELD

STRUCTURAL CONTOUR LOWER KITTANNING "B" SEAM

MAP #2



LEGEND

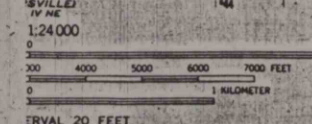
- | | | |
|-----------------------|--|--------------------------|
| DRILL HOLE NUMBER | | TOTAL SEAM (COAL & BONE) |
| IMMEDIATE ROOF | | COAL SEAM HEIGHT |
| DRILL HOLE LOCATION | | ROCK TO 5' ABOVE COAL |
| DEPTH TO TOP OF COAL | | TOTAL SEAM SULPHUR % |
| COAL ELEVATION (BASE) | | TOTAL SEAM ASH % |

DOMINANT GRAIN SIZE OF ROOF ROCK

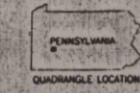
- CLAY ● SAND ● SILT

20' STRUCTURAL CONTOURS ON BASE OF LK COAL

100' STRUCTURAL CONTOURS ON BASE OF LK COAL



VERT. 20 FEET
AN SEA LEVEL

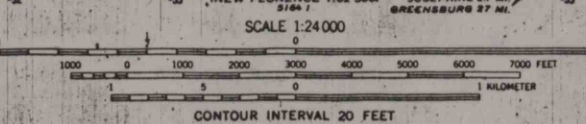
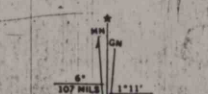


ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———

State Route

MCINTYRE, PA.
SEA/ELDERS RIDGE 15' QUADRANGLE
N4030-W7915/7.5

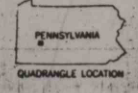
Maped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and USCE
Topography by photogrammetric methods from aerial
photographs taken 1961. Field checked 1963.
Polyconic projection. 1927 North American datum
630,000-foot grid based on Pennsylvania coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue.
Fine red dashed lines indicate selected fence and field lines where
they are visible on aerial photographs. This information is unchecked.
Red line indicates area in which only landmark buildings are shown.



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———

U.S. Route State Route



INDIANA, PA.
SW/4 INDIANA 15' QUADRANGLE
N4030-W7907.5/7.5