



EXPLANATION

- Boundary of mine
- Warranty tract
- E. HUFF
- Structural cross section
- Note: Green structure and outcrop symbols apply to the Buck Mountain coal bed. Red structure and outcrop symbols apply to the bottom split of the Mammoth coal bed. Where segments of bottom split of the Mammoth coal bed are interpreted by thrust faulting, structure outcrops on the upper plates of the bottom split of the Mammoth coal bed are shown in black.
- Outcrop of coal bed
- Fault cutting contoured bed showing dip of fault plane, relative position of faulted segments, and overthrust segment.
- Fault trace in solid where accurately located, long dashes where approximately located.
- Fault trace on underlying plate indicated by short dashes where accurately located and data where approximately located. U, upthrust segment; D, downthrust segment; C, overthrust segment.
- Contours on the bottom of the contoured coal bed
- Solid in mined areas; long dashes in unmined areas; in those places where a part of the bed lies beneath another part of the same bed short dashes are used in mined areas, and very short dashes in unmined areas.
- Shear zone
- Anticline
- Showing crest line; solid where location is known, dashed where location is uncertain.
- Syncline
- Showing trough line; solid where location is known, dashed where location is uncertain.
- Overturned syncline
- Showing trough line and direction of dip of the limbs.
- Drainage tunnel
- Barrier pillar in contoured bed

STRUCTURE MAP OF THE BUCK MOUNTAIN AND MAMMOTH COAL BEDS

Polyconic projection. 1927 North American datum.

SCALE 1:6,000

Contour interval is 100 feet

Datum is mean sea level.

APPROXIMATE MEAN DECLINATION, 1944

Diagram of a topographic quadrangle showing the area included in this map

Prepared in 1950 from data supplied by the Raven Run Coal Co., Lehigh Valley Coal Co., and the Philadelphia and Reading Coal and Iron Co., with modifications by the U. S. Geological Survey.

GEOLOGY OF ANTHRACITE IN THE SOUTHEASTERN PART OF THE MOUNT CARMEL QUADRANGLE, PENNSYLVANIA

By
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