



EXPLANATION

- Boundary of mine
- Warranty tract
- Boundaries are indicated for general orientation and identification but are not authenticated for legal purposes.
- Outcrop of coal bed
- 700
- 400
- 300
- 500
- 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.
- Fault cutting contoured bed showing dip of fault plane, relative position of faulted segments, and overthrust segment.
- Fault trace is solid where accurately located, long dashes where approximately located. Fault trace on underlying plate is indicated by short dashes where accurately located and dots where approximately located. U, up-thrown segment; D, downthrown segment; +, overthrust segment.
- 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.
- Barrier pillar in contoured bed
- 34
- Cross section from which stratigraphic column 34 of the coal interval diagram was made.
- A A'
- Structural cross section

Polyconic projection. 1927 North American datum.

STRUCTURE MAP OF THE BUCK MOUNTAIN COAL BED

SCALE 1:6,000

Contour interval is 100 feet

Datum is mean sea level

APPROXIMATE MEAN DECLINATION, 1944

DIAGRAM OF A TROPICOPHIC QUADRANGLE SHOWING THE AREA INCLUDED IN THIS MAP

Prepared in 1950 from data supplied by the Hazle Brook Coal Company, Lehigh Valley Coal Company, Natia Coal Corporation, Philadelphia and Reading Coal and Iron Company, and the Susquehanna Collieries Company, with modifications by the U. S. Geological Survey, Department of the Interior.

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GEOLOGY OF ANTHRACITE IN THE EAST-CENTRAL PART OF THE MOUNT CARMEL QUADRANGLE, PENNSYLVANIA

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