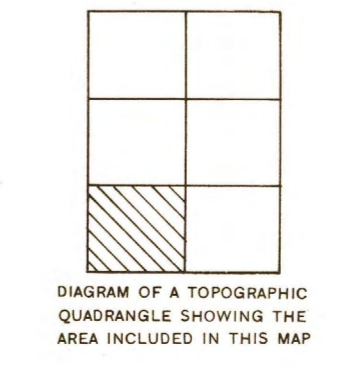
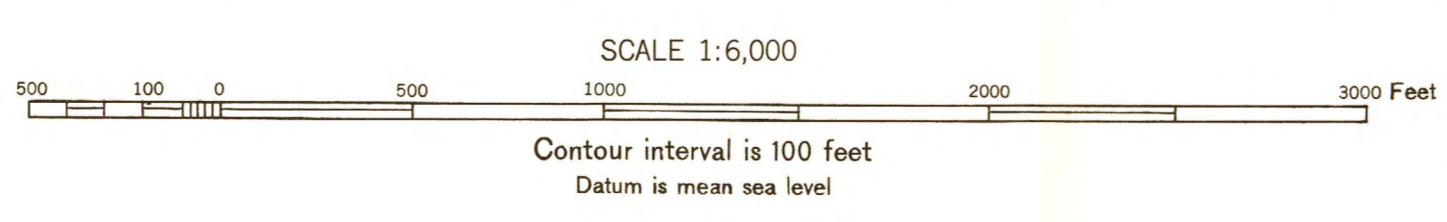


EXPLANATION

- Boundary of mine
- Warranty tract
- Township line
- County line
- Structural cross section
- Cross section from which stratigraphic column 34 of the coal interval diagram was made
- 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.
- Outcrop of coal bed
- Fault cutting contoured bed showing dip of fault plane, relative position of faulted segments, and overthrust segments.
- Showing crest line: solid where location is known, dashed where location is uncertain.
- Showing trough line: solid where location is known, dashed where location is uncertain.
- Shear zone
- Anticline
- Syncline
- Drainage tunnel
- Barrier pillar in contoured bed

STRUCTURE MAP OF THE BUCK MOUNTAIN AND MAMMOTH COAL BEDS

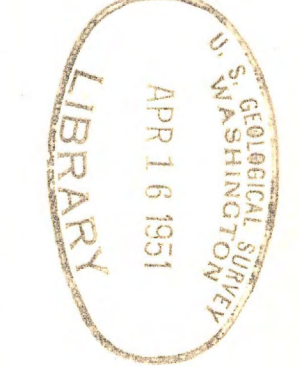


Prepared in 1949 from data supplied by the Philadelphia and Reading Coal and Iron Company and the Susquehanna Coaliers Company with modifications by the U. S. Geological Survey.

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

By
Howard E. Rothrock, Holly C. Wagner, Boyd R. Haley and Harold H. Arndt
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