DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF INTERNAL AFFAIRS

GEOPHYSICAL INVESTIGATIONS
MAP GP-215

EXPLANATION

Magnetic contours and flight traverse
Contours dashed where data are incomplete; contours show total intensity relative to an arbitrary datum.

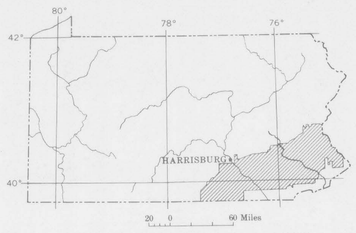
Magnetic contour enclosing area of lower magnetic intensity

+9130

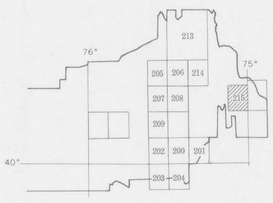
Measured maximum or minimum intensity within closed high or closed low

NOTE

Aeromagnetic data are obtained and compiled along a continuous line, whereas ground magnetic surveys are made at separate points. Errors within the normal limits of any magnetic measurement may cause slight discrepancies between flight lines in an aeromagnetic map, which would be more obvious than similar discrepancies between points in a ground magnetic map. For this reason as much care should be exercised in evaluating magnetic features that appear as elongations along a single aeromagnetic traverse as in interpreting an anomaly indicated by a single ground station.



INDEX MAP OF PENNSYLVANIA SHOWING AREA OF AEROMAGNETIC SURVEY 1956–57



EASTERN PART OF AEROMAGNETIC SURVEY AREA SHOWING LOCATION OF THIS REPORT

Base map by Topographic Division
U. S. Geological Survey

9°
MAGNETIC NORTH
TRUE NORTH
APPROXIMATE MEAN DECLINATION, 1959

AEROMAGNETIC MAP OF THE BUCKINGHAM QUADRANGLE BUCKS COUNTY, PENNSYLVANIA

By

Randolph W. Bromery, John R. Henderson, Jr., Gerald L. Zandle, and others

SCALE 1:24 000

1 ½ 0 1 MILE

CONTOUR INTERVAL 50 GAMMAS

1959

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1959
MR 7438

Aeromagnetic survey flown at 500 feet above ground, 1956

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For sale by U. S. Geological Survey, price 50 cents