

EXPLANATION



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



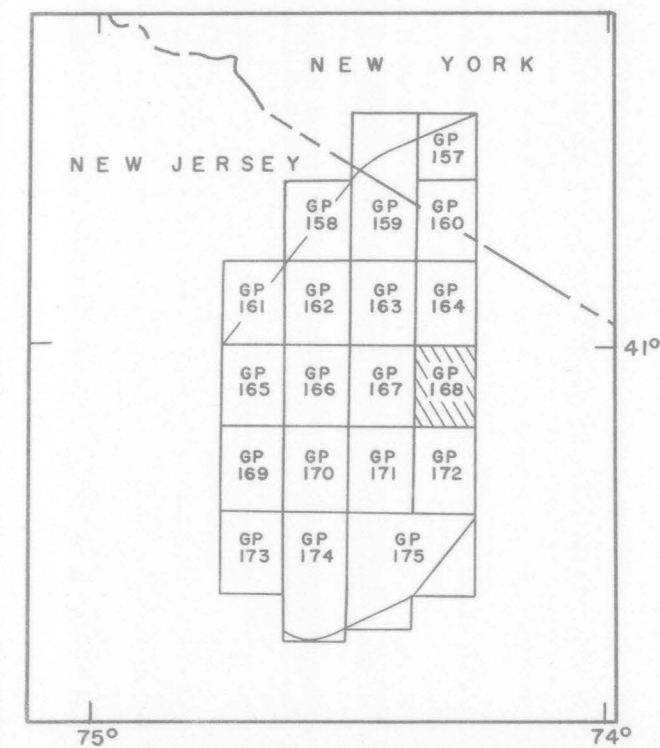
Magnetic contour enclosing area of lower magnetic intensity

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 maps showing location of area mapped

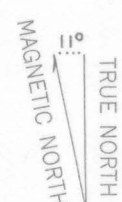


Base from U. S. Geological Survey topographic quadrangle map

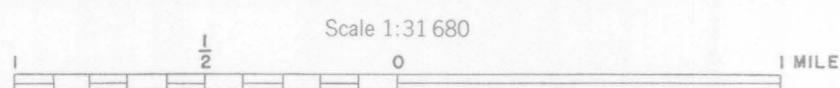
Aeromagnetic survey flown at 500 feet above ground 1951

**AEROMAGNETIC MAP OF THE POMPTON PLAINS QUADRANGLE
MORRIS, PASSAIC AND ESSEX COUNTIES, NEW JERSEY**

By John R. Henderson, Natalie Tyson, May Wilson and others



Approximate mean declination 1957



Scale 1:31 680
Contour interval 50 and 250 gammas