



EXPLANATION



Magnetic contours showing total intensity magnetic field of the earth in gammas relative to arbitrary datum  
Hatched to indicate closed areas of lower magnetic intensity; dashed where data are incomplete

Measured maximum or minimum intensity within closed high or closed low



Flight path  
Showing location and spacing of data

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 SHOWING LOCATION OF AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY IN THE NEW YORK-NEW JERSEY HIGHLANDS AREA

Note: GP's 346, 348, and 350 are retitled to GP's 165, 169, and 173 respectively in the overlap zone shown above.

Base map from U.S. Geological Survey, 1954

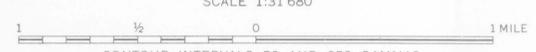
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. — 62141

Aeromagnetic survey flown at 500 feet above ground, 1950 and 1955

**AEROMAGNETIC MAP OF THE CALIFON QUADRANGLE AND PART OF THE GLADSTONE QUADRANGLE  
HUNTERDON AND MORRIS COUNTIES, NEW JERSEY**

By  
**Gordon E. Andreasen, John R. Henderson, Evelyn J. Chandler, and others**

SCALE 1:31 680



CONTOUR INTERVALS 50 AND 250 GAMMAS  
1963

