DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP- 339

EXPLANATION

Magnetic contours showing total intensity magnetic field of the earth in gammas relative to arbitrary datum

Hachured to indicate closed areas of lower magnetic intensity; dashed where data are incomplete

× 8510

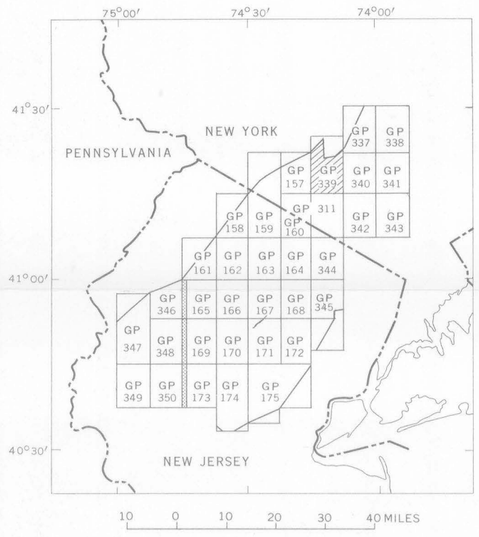
Measured maximum or minimum intensity within closed high or closed low

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 retied to GP's 165, 169, and 173, respectively in the overlap zone shown above

Base map by U.S. Geological Survey, 1957

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—62130

Aeromagnetic survey flown at 500 feet above ground, 1951

AEROMAGNETIC MAP OF PARTS OF THE MONROE AND MAYBROOK QUADRANGLES ORANGE COUNTY, NEW YORK

By

John R. Henderson, Frances C. Smith, and others

SCALE 1:31 680

1 ½ 0 1 MILE

CONTOUR INTERVALS 50 AND 250 GAMMAS

1962

APPROXIMATE MEAN DECLINATION, 1962

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