DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

GEOPHYSICAL INVESTIGATIONS
MAP GP-455

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

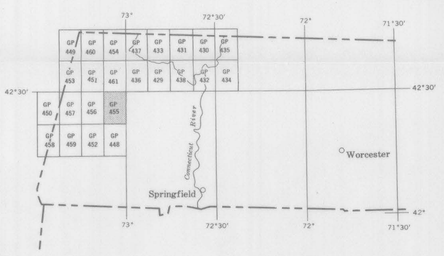
+3364

Measured maximum or minimum intensity within closed high or closed low

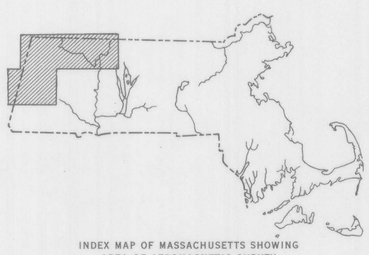
Flight path
Showing location and spacing of data

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 OF WESTERN MASSACHUSETTS SHOWING AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY. AREA OF GP-455 SHADED



INDEX MAP OF MASSACHUSETTS SHOWING AREA OF AEROMAGNETIC SURVEY

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G64138

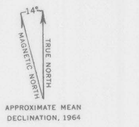
Topographic base for GP-455 is Peru quadrangle, 1959

Aeromagnetic survey flown at 500 feet above ground, 1959 and 1962

AEROMAGNETIC MAP OF THE PERU QUADRANGLE, BERKSHIRE AND HAMPSHIRE COUNTIES, MASSACHUSETTS

By

Peter Popenoe, G. R. Boynton, and G. L. Zandle



APPROXIMATE MEAN DECLINATION, 1964

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVALS 20 AND 100 GAMMAS

1964

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