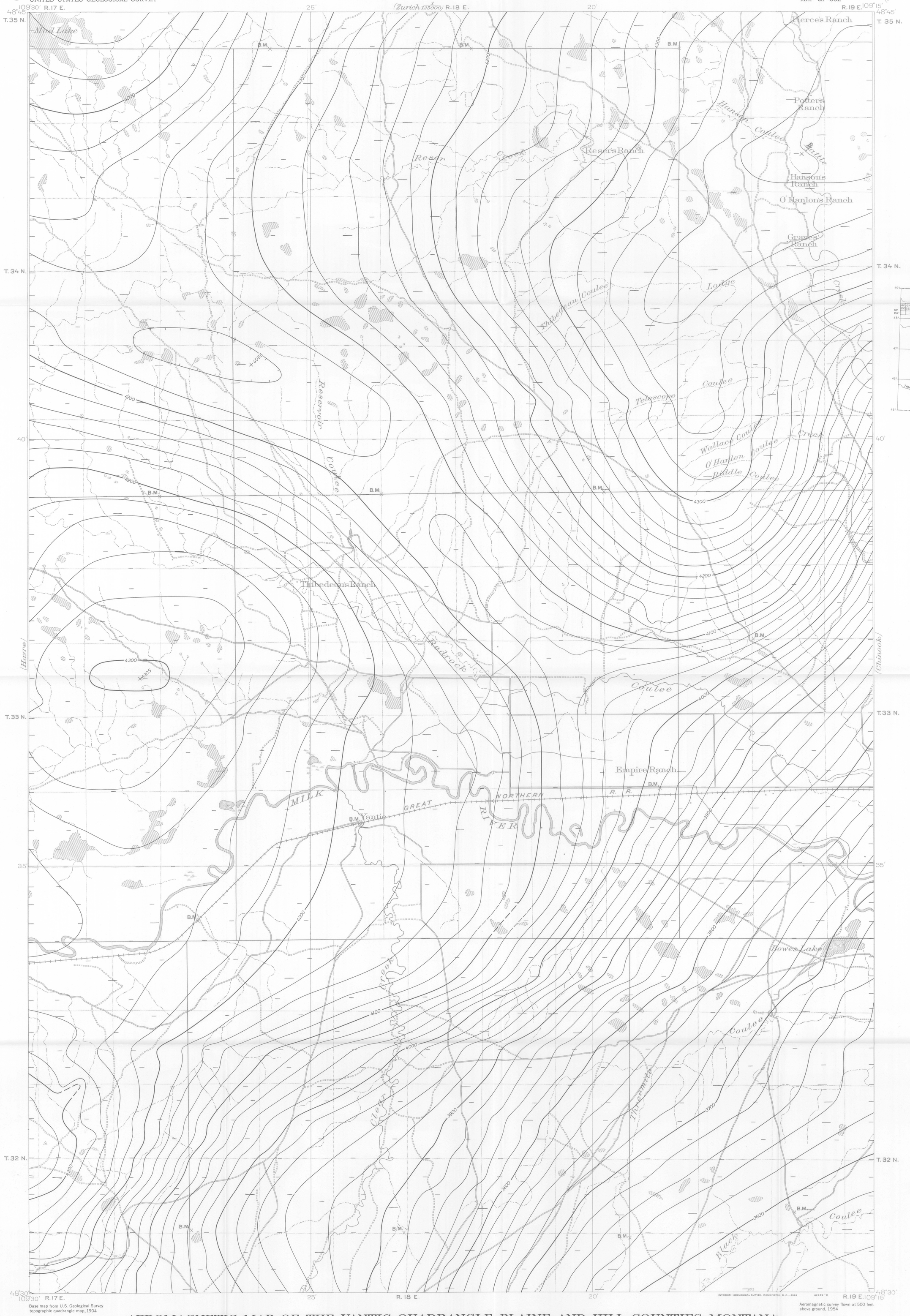
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP-382



Base map from U.S. Geological Survey topographic quadrangle map, 1904

Aeromagnetic survey flown at 500 feet above ground, 1954

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1963 62229-O

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

+4055

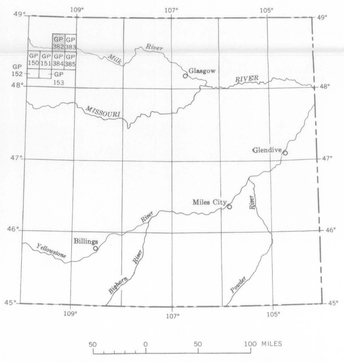
Measured maximum or minimum intensity within closed high or closed low

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 EASTERN MONTANA SHOWING AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY

AEROMAGNETIC MAP OF THE YANTIC QUADRANGLE, BLAINE AND HILL COUNTIES, MONTANA

By

R. W. Johnson, Jr., E. R. King, and C. L. Long

18½°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1962

SCALE 1:31 680

1 ½ 0 1 Mile

CONTOUR INTERVAL 20 GAMMAS

1963

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