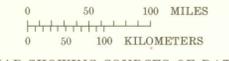
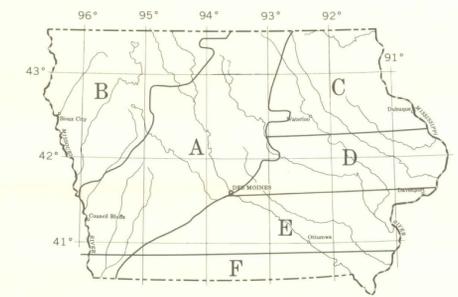


EXPLANATION

Magnetic contours
Showing total intensity magnetic field of the earth in gammas relative to an arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity; dashed where data are incomplete. Main magnetic field of the earth, from Fabiano and Peddie (1969), has been removed. Contour intervals 100 and 500 gammas



INDEX MAP SHOWING SOURCES OF DATA

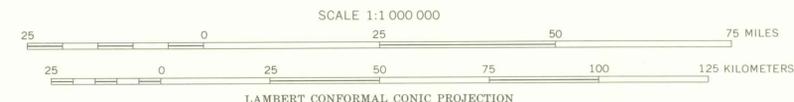
SOURCES OF DATA

Data used to compile this map were published by the U.S. Geological Survey, A (Henderson and Vargo, 1965), and by the Iowa Geological Survey, B (1965), C (1968), D (1969), E (1970), and F (1973). The flight elevation for all the total intensity aeromagnetic surveys was 1000 feet above ground level, except area F which was 2000 feet above sea level. The flight direction and spacing for all the surveys was east-west and one mile respectively. Data for areas B, C, E, and D were surveyed and compiled by Aero Service Corporation in 1964, 1966, 1968, and 1970, respectively. Data for area F were surveyed and compiled by Lockwood, Kessler, and Bartlett in 1972.

REFERENCES CITED

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- Henderson, J. R., and Vargo, J. L., 1965, Aeromagnetic map of central Iowa: U.S. Geol. Survey Geophys. Inv. Map GP-476.
- Iowa Geol. Survey, 1965, Preliminary interpretation report, airborne magnetometer survey of northwestern Iowa.
- 1968, Preliminary interpretation report, airborne magnetometer survey of northeastern Iowa.
- 1969, Preliminary interpretation report, airborne magnetometer survey of east-central Iowa.
- 1970, Preliminary interpretation report, airborne magnetometer survey of southeastern Iowa.
- 1973, Preliminary interpretation report, airborne magnetometer survey of southern Iowa.

Base from U.S. Geological Survey
State base map, 1965, 1:1,000,000



AEROMAGNETIC MAP OF IOWA: COLOR CODED INTENSITIES

By
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1976