DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
MINNESOTA GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP-725

No data

Lake of the Woods

LAKE SUPERIOR

DULUTH

MINNEAPOLIS

ST. PAUL

St. Cloud

Rochester

Winona

Mississippi River

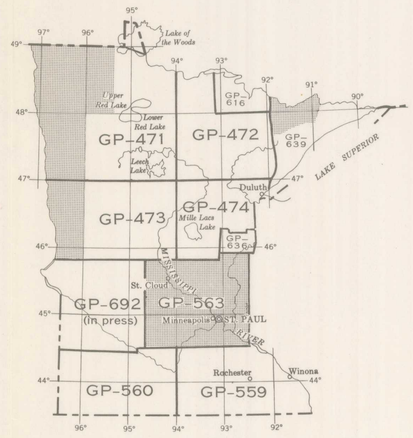
Minnesota River

Red River

EXPLANATION

30,000 (maximum value)
15,000
13,000
12,500
12,000
11,800
11,600
11,400
11,200
11,000
10,800
10,600
10,400
10,200
10,000
9800
9600
9500
9000
8500
8000
7500
3000 (minimum value)

Magnetic contours
Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Main magnetic field of the earth, from Cain and others, 1965, has been removed



SOURCES OF DATA

Published U.S. Geological Survey Geophysical Investigation maps used as sources for aeromagnetic data are at a scale of 1:250,000 except map GP-636 at 1:62,500 and map GP-639 at 1:125,000. Areas were flown by the U.S. Geological Survey, 1947-66, at 1,000 feet above ground except areas shaded on the index map, which were flown at 500 feet above ground. Regional compilation completed in 1969

REFERENCE CITED

Cain, J. C., Daniels,W. E., Hendricks, S. J., and Jensen, D. C., 1965, An evaluation of the main magnetic field, 1940-62: Jour. Geophys. Research, v. 70, no. 15, p. 3647-3674

Base by U.S. Geological Survey

SCALE 1:1 000 000

25 0 25 50 75 100 MILES

25 0 25 50 75 100 KILOMETERS

ALBERS EQUAL AREA PROJECTION

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.
1970—670039

AEROMAGNETIC MAP OF MINNESOTA

By

Isidore Zietz and John R. Kirby

1970

For sale by U.S. Geological Survey, price 75 cents