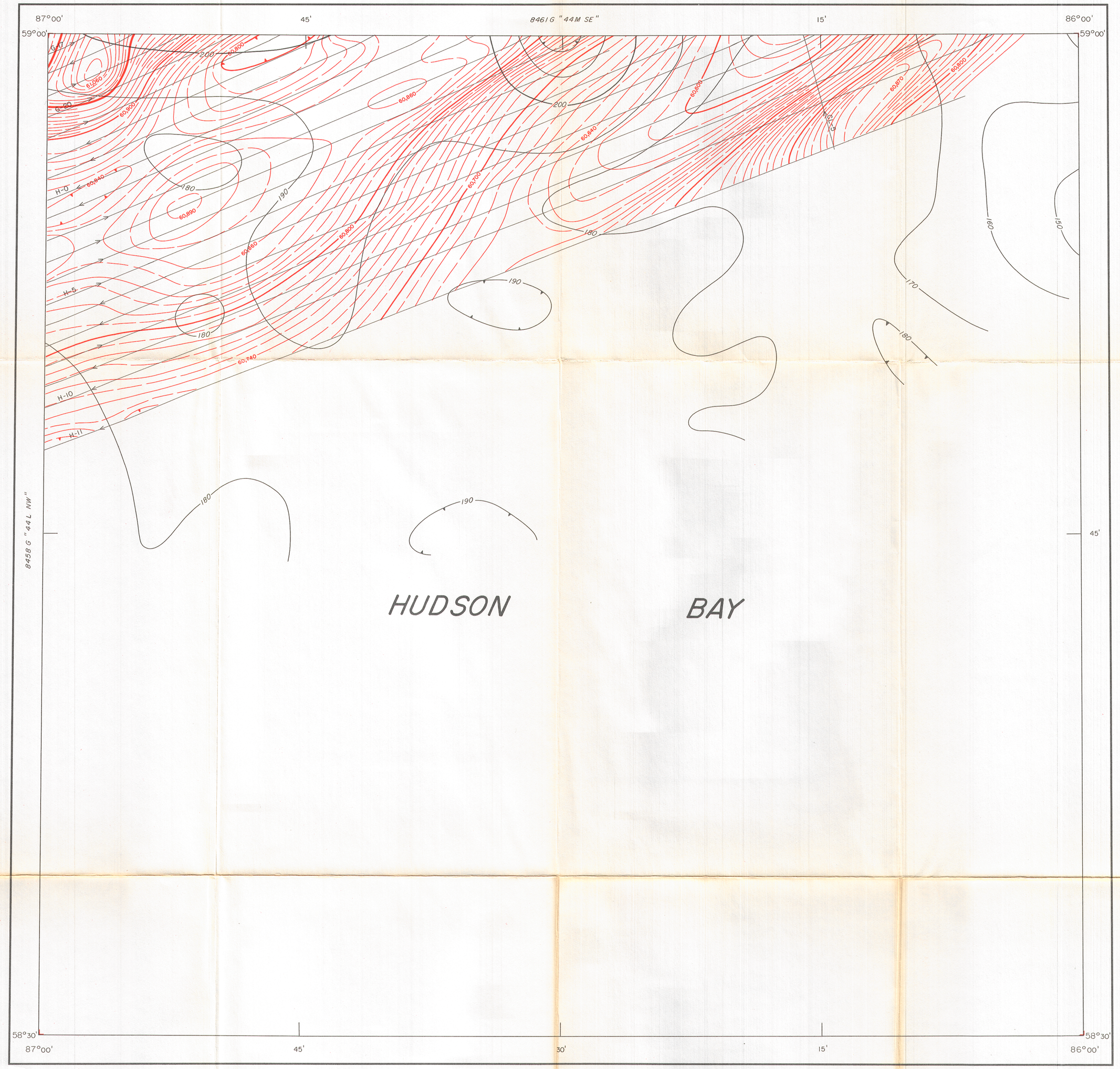
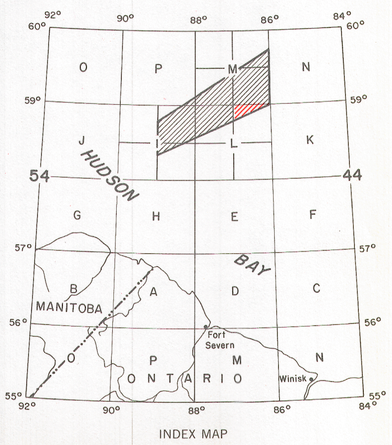
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

GEOPHYSICAL SERIES (AEROMAGNETIC)

SHEET 44 L NE





INDEX MAP

ISOMAGNETIC LINES (absolute total field)

500 gammas . . . . . .
100 gammas . . . . . .
20 gammas . . . . . .
10 gammas . . . . . .
Magnetic depression . . . . . .

Flight line . . . . . B 40

Flight altitude: 500 feet above sea-level

MAP 8460 G

HUDSON BAY
SHEET 44 L NE

DISTRICT OF KEEWATIN
NORTHWEST TERRITORIES

Scale 1:125,000

2 MILES 1 0 2 4 6
2 1 0 2 4 6 8 KILOMETERS

Copies of this map may be obtained from the Geological Survey of Canada

Airborne Magnetic Survey, July and August, 1965, by the National Aeronautical Establishment, under the supervision of the Geological Survey of Canada.

Bathymetric contours in metres below sea-level

100
10

No correction has been made for regional variation.

The 1965 aeromagnetic survey of the central part of Hudson Bay was carried out using the North Star aircraft of the National Aeronautical Establishment which was equipped with a rubidium-vapour magnetometer system. The primary navigation aid used was the 6F Lambda Decca chain of the Polar Continental Shelf project which was installed in the southwestern part of the Bay. The survey lines flown were integral red Decca lines and the flight elevation was maintained at 500 feet above sea level by radar altimeter. All survey parameters including the Decca co-ordinates were digitally recorded on magnetic tape. A rubidium-vapour magnetometer was operated in the geomagnetic observatory of the Earth Physics Branch, EMR at Fort Churchill, the base of operations, to monitor the diurnal variation of the earth's magnetic field during survey flights. Compilation of the resultant aeromagnetic data was carried out by Margaret Bower of the Resource Geophysics and Geochemistry Division using a semi-automated digital technique.

MAP 8460G
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