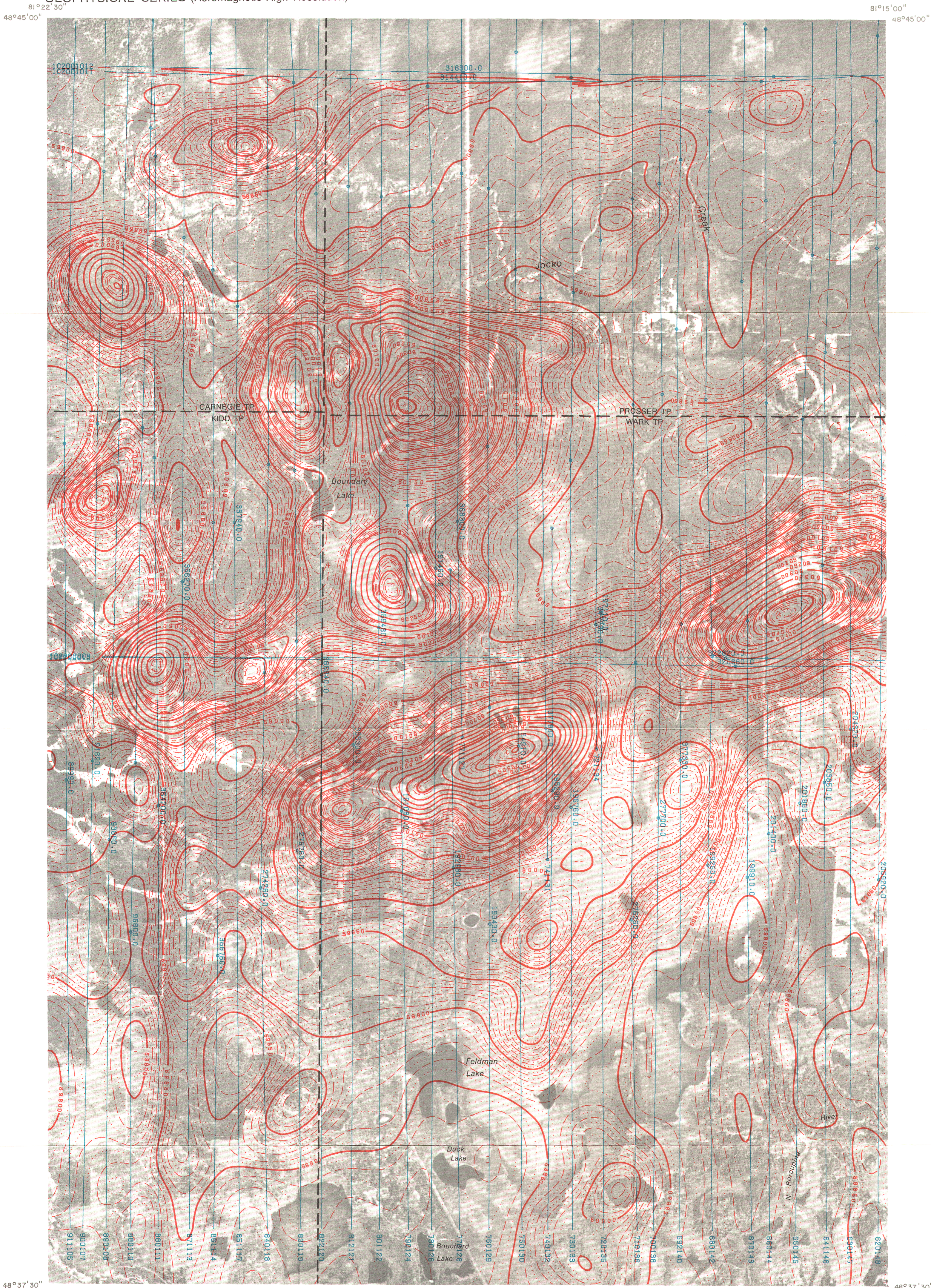




GEOPHYSICAL SERIES (Aeromagnetic High Resolution)

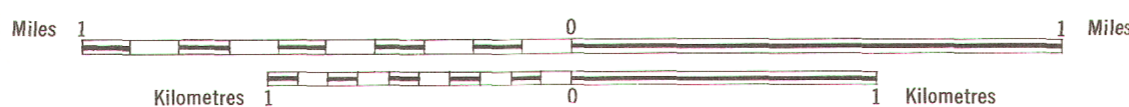


MAP 20,012G

42A/11f

DISTRICT OF COCHRANE
ONTARIO

Scale 1:25,000



ISOMAGNETIC LINES (absolute total field)

- 500 gammas
- 50-100 gammas
- 10-20 gammas
- 5 gammas
- Magnetic depression
- Flight lines
- Flight altitude: 1000 feet above ground level

Airborne Magnetic Survey, November 1968 to April 1969 by Canadian Aero Service Limited

The photo base for this map was compiled by Canadian Aero Service Limited

No correction has been made for regional variation

Digital compilation by Resource Geophysics and Geochemistry Division, Geological Survey of Canada

Copies of this photo map may be obtained from the National Air Photo Library

| | | | | | | | | | |
|-----------|-----------|-----------|---------|---------|---------|-----------|---------|-----------|--|
| 48°45'00" | 81°45'00" | 42A/12g | 42A/12h | 42A/11e | 42A/11f | 42A/11g | 42A/11h | 48°45'00" | |
| 20,003G | 20,006G | 20,009G | 20,012G | 20,015G | 20,018G | | | | |
| 42A/12b | 42A/12a | 42A/11d | 42A/11c | 42A/11b | 42A/11a | | | | |
| 20,002G | 20,005G | 20,008G | 20,011G | 20,014G | 20,017G | | | | |
| 42A/5g | 42A/5h | 42A/6e | 42A/6f | 42A/6g | 42A/6h | | | | |
| 20,001G | 20,004G | 20,007G | 20,010G | 20,013G | 20,016G | | | | |
| 48°22'30" | 81°45'00" | INDEX MAP | | | | 81°00'00" | | | |

Published, 1973
48°37'30"
81°15'00"

This map is based on in-flight digitally recorded high sensitivity aeromagnetic data obtained with a Cesium vapour magnetometer measuring the total magnetic field to a resolution of 0.02 gamma. Flight altitude was 1000 feet above ground at 1000 feet average flight line spacing and double control lines were flown at an average spacing of 5 miles.

The data was edited, compiled, levelled and gamma values for contouring interpolated on a square grid (0.1" grid spacing at the published map scale) by automatic computer processes.

The automatic levelling process employs the two components of the double control line and the short segments of traverse which connect them where they are not exactly co-incident. This data is used to minimize and distribute non-geological contributions from the total magnetic field profile along the control line. The corrected control lines are used to level the traverse by a method of minimal sum-total adjustment.

The final data grid was contoured and plotted using the automatic contouring program and digital plotter facilities at Dataplotting Services Ltd.