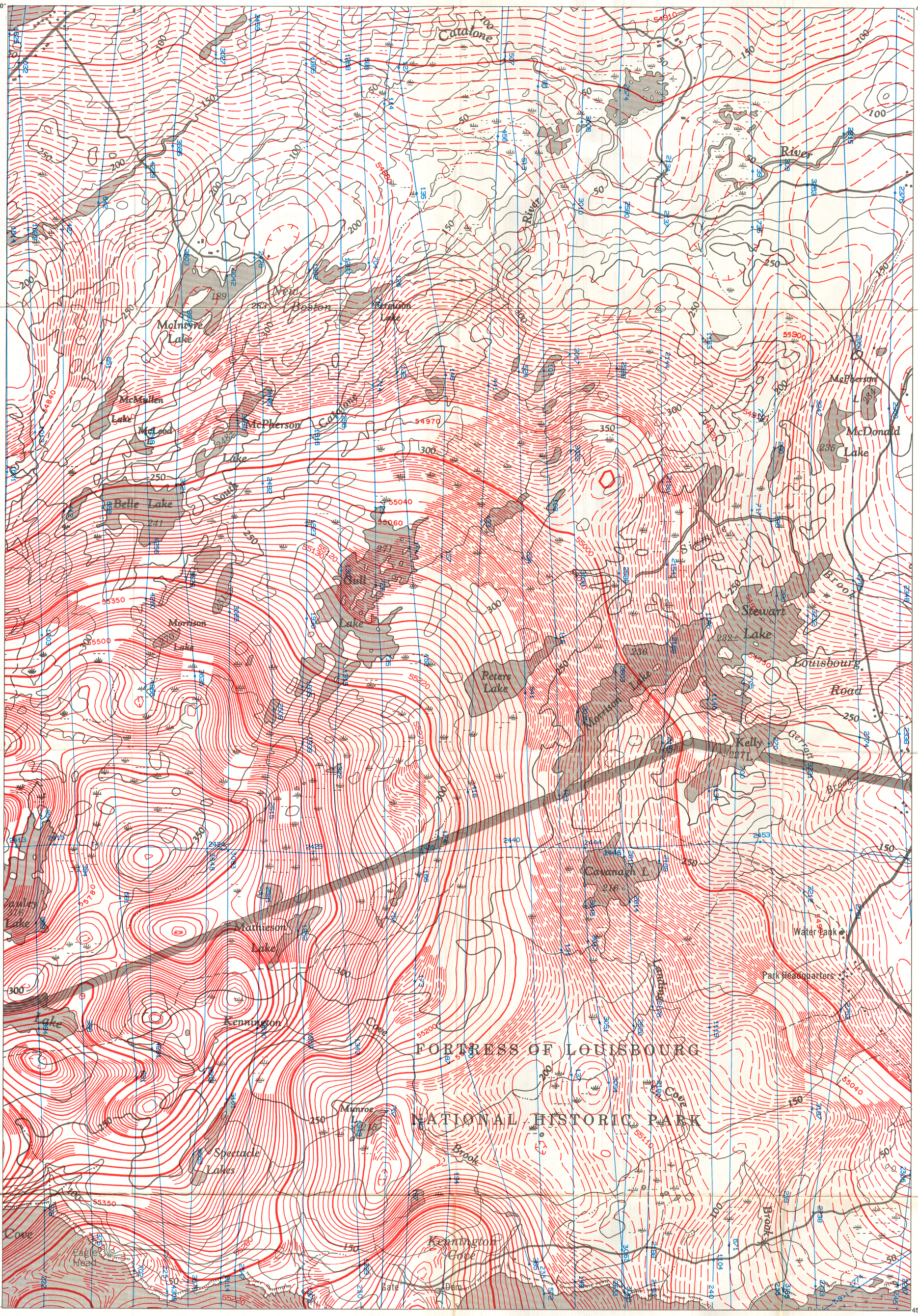
GEOPHYSICAL SERIES
(HIGH RESOLUTION AEROMAGNETIC TOTAL FIELD)

PROVINCE OF
NOVA SCOTIA
DEPARTMENT OF MINES

DEPARTMENT
OF
ENERGY, MINES AND RESOURCES

60°07'30" 20,272G, "11K/1a" 60°00'00"

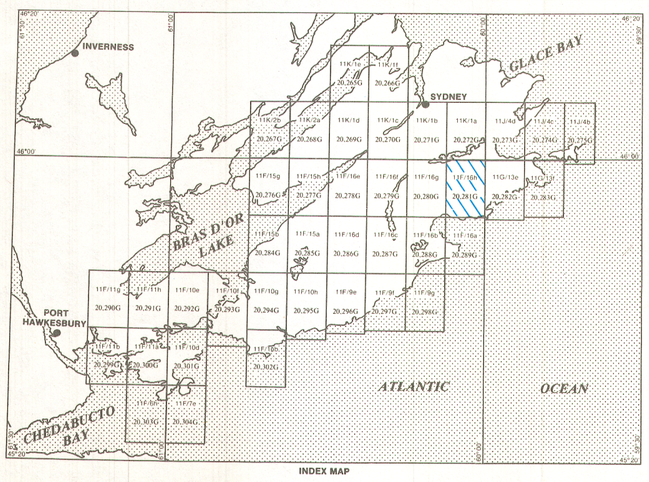
46°00'00"



45°52'30" 20,289G, "11F/16a" 45°52'30"

60°07'30" 60°00'00"

20,280G "11F/16g" 20,282G "11G/13e"



INDEX MAP

MAP
20,281G

11F/16h
NOVA SCOTIA

SCALE 1:25,000

FEET 2000 1000 0 1000 2000 3000 4000 5000 1 MILE
METRES 500 0 500 1000 1500 2000 METRES

ISOMAGNETIC LINES (absolute total field)

250 gammas	
50 gammas	
10 gammas	
2 gammas	
Magnetic depression	
Flight lines	23

Flight altitude: 375 m above sea level.
NOTE: Fiducials over water are interpolated by computer based on recorded VLF navigation.

PUBLICATION 1977

This map is based on digitally-recorded high-sensitivity aeromagnetic data obtained with a Sander NPM-5 proton precession magnetometer which measured the total magnetic field to a resolution of .05 gamma. Flight altitude was 375 m ASL at 400 m average flight line spacing and control lines were flown at an average spacing of 10 km.

The data was edited, compiled, levelled and gamma values for contouring interpolated on a square grid (2.54 mm grid spacing at the published map scale) by automatic computer processes.

Magnetic data was corrected for changes in the earth's magnetic field with time using a ground station at Sydney airport. Control lines were used to eliminate residual errors through analyzing and correcting of differences at intersections between traverses and control lines. No correction has been made for regional variations of the earth's magnetic field.

Airborne surveying, digital compilation, automatic contouring and plotting was carried out by Sander Geophysics Limited. Flying took place in October and November 1976.

Compilation was done on enlargements of base maps published by the Department of Energy, Mines and Resources.

Copies of this map may be obtained from the Nova Scotia Department of Mines, Halifax, or from the Geological Survey of Canada, Ottawa. The data represented by these maps is available in digital form from the Geological Survey of Canada at the cost of retrieval and copying.

MAP 20,281G
11F/16h
NOVA SCOTIA