

AEROMAGNETIC VERTICAL GRADIENT MAP CARTE AÉROMAGNÉTIQUE DU GRADIENT VERTICAL

MAP 41425 G CARTE

52E/10a,b

ONTARIO

SCALE 1:20 000 ÉCHELLE 1/20 000

1000

Subsidiary Agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

This map was compiled from data obtained as a result of an aeromagnetic diometer survey carried out by Kenting Earth Sciences International Ltd. using a Piper Navajo aircraft (registration C-FFRY). Two 0.005 gamma resolution self-orienting cesium vapour magnetometers are mounted in the twin tail booms of the survey aircraft and are vertically separated by 1.83 metres. Survey operations were carried out during June 1987, at a flight altitude of 50m mean terrain clearance. The average flight line spacing was 300m. Control lines were flown at an average spacing of 5km. Flight path recovery was effected using a vertically mounted 35mm camera.

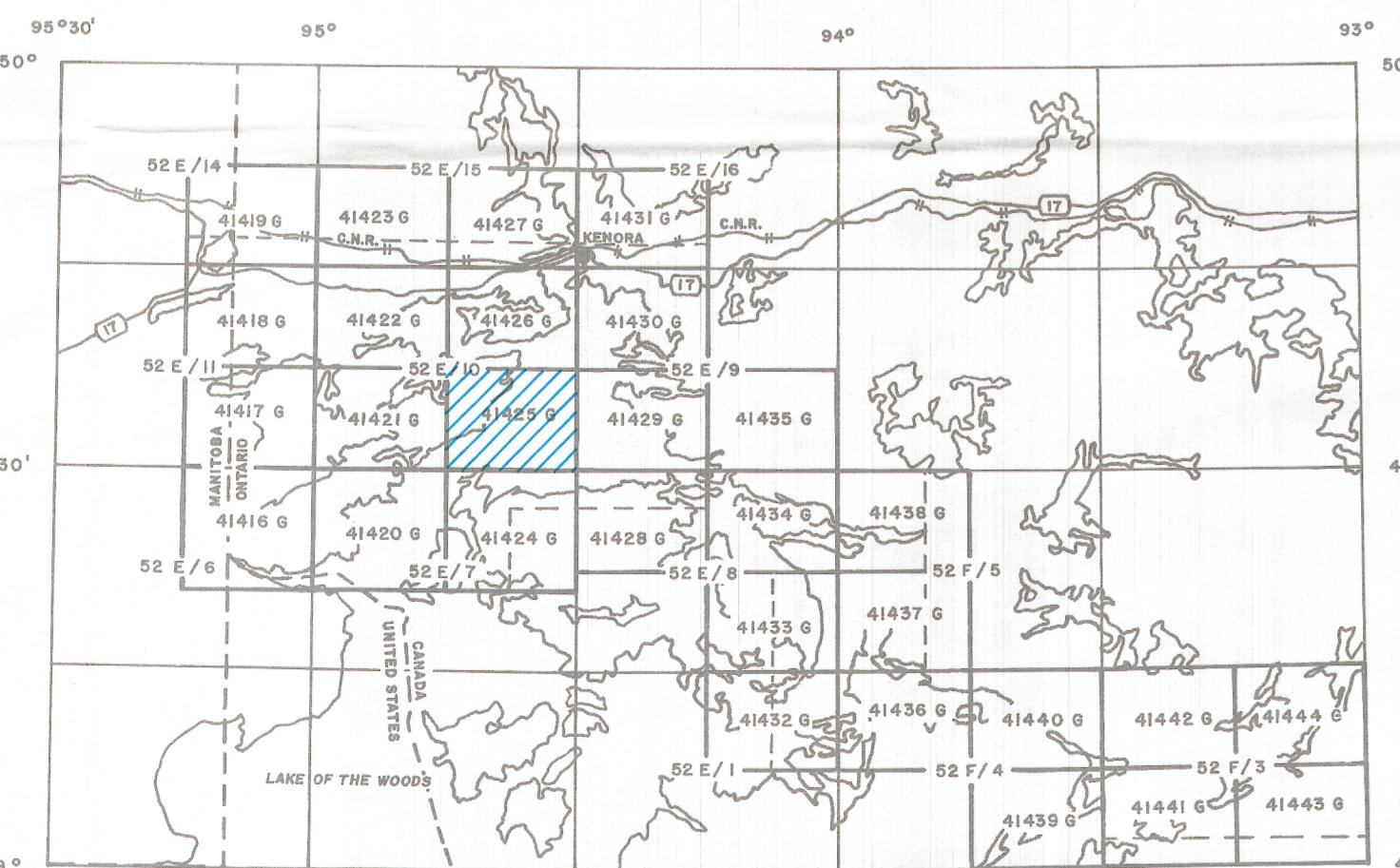
uring the compilation of the data, the vertical gradient values, which approximate closely the first vertical derivative of the earth's total field, were obtained by dividing the difference between the total field readings of the magnetometers by their vertical separation. The vertical gradient data were filtered with a digital operator to remove instrument noise and to level the

i. Then the vertical gradient values were interpolated on a 50m grid and contourled. All of the data processing was done by Geoterrex Ltd. Final plotting was done by Kenting Earth Sciences International Ltd. The base used for this was obtained from a 1:50 000 topographical map published by the Department of Energy, Mines and Resources, Ottawa.

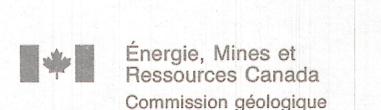
Copies of this map may be obtained from the Geological Survey of Canada,

Copies of this map may be obtained from the Geological Survey of Canada, Ottawa. The survey data used to compile this map are available in digital form from the Geological Survey of Canada at the cost of retrieval and copying.

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INDEX MAP
CARTE DE LOCALISATION



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