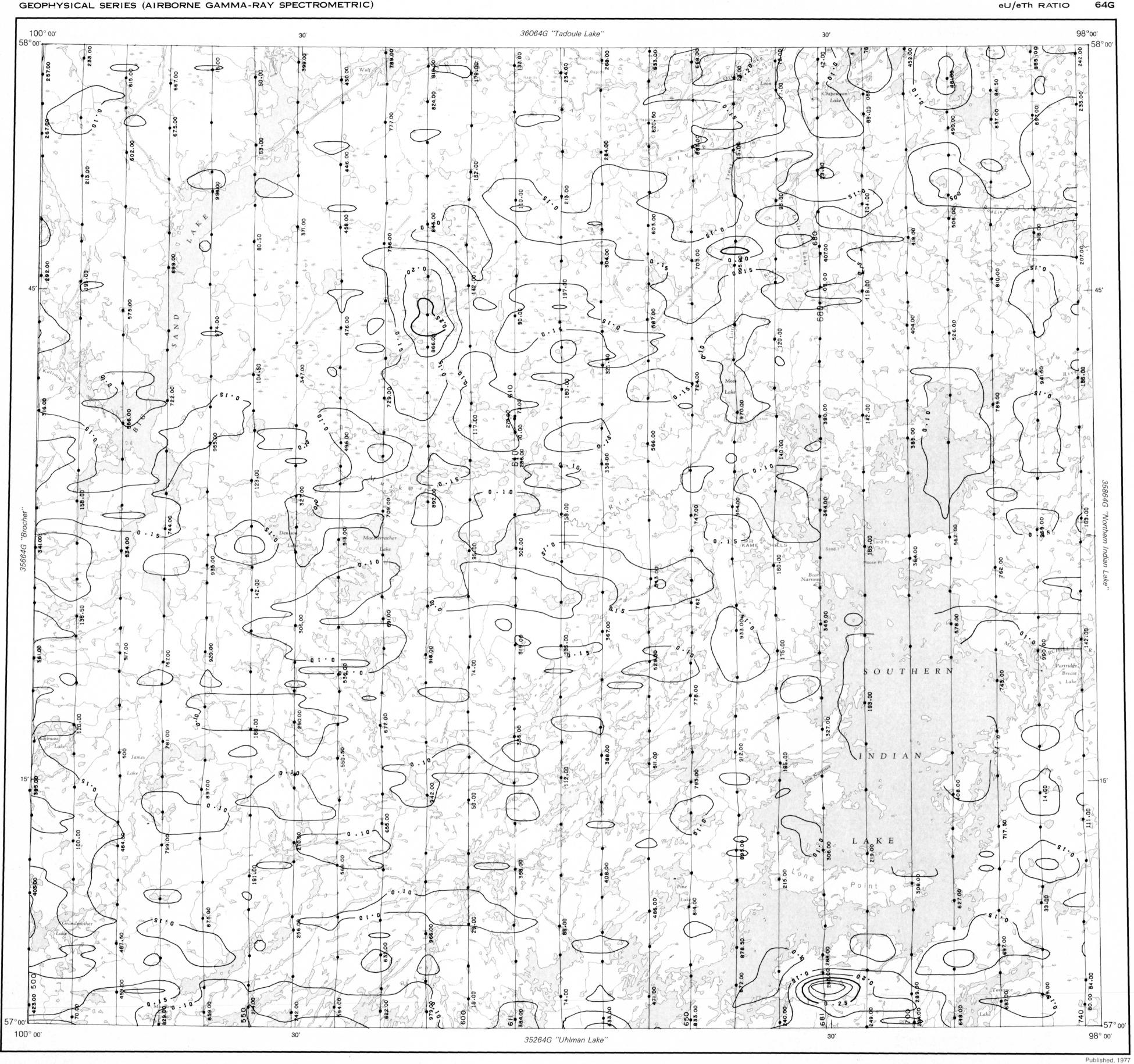
DEPARTMENT MINES, RESOURCES AND ENVIRONMENTAL MANAGEMENT

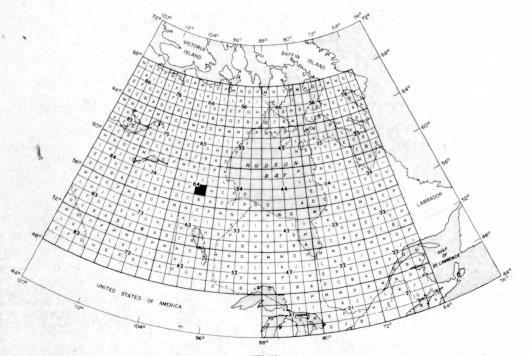
PROVINCE OF MANITOBA

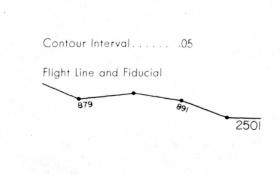
DEPARTMENT ENERGY, MINES AND RESOURCES

GEOPHYSICAL SERIES (AIRBORNE GAMMA-RAY SPECTROMETRIC)

GEOLOGICAL SURVEY OF CANADA



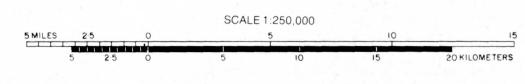




eU/eTh RATIO MAP 35764G

## BIG SAND LAKE

## **MANITOBA**

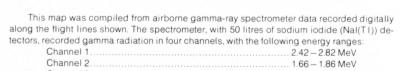


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Uranium Reconnaissance Program Airborne Gamma-Ray Spectrometer Survey, 1976, flown and compiled by the consortium of Terra Surveys Ltd., (consortium directors), Kenting Earth Sciences Ltd., and Northway Survey Corporation Ltd.

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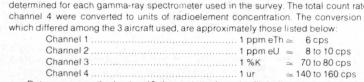
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64G

Channel 3. . 1.36 - 1.56 MeV ... 0.40 - 2.82 MeV

determined for each gamma-ray spectrometer used in the survey. The total count rates from channel 4 were converted to units of radioelement concentration. The conversion factors



Channel 4.. Data were smoothed using 40 data points along the flight lines (rejecting values over water), gridded at 2.2 kilometer intervals along track and 5 kilometer intervals across track,

The contoured values are surface radioelement concentrations averaged over areas of approximately 700,000 square meters. These areas generally include some outcrop, overburden, swamps and small bodies of water. Consequently the concentrations indicated by the contour map are generally lower than the concentration in bedrock.