GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES
AIRBORNE RADIOACTIVITY MAP
MONT - LAURIER
QUEBEC
URANIUM-THORIUM RATIO
The gamma radiation contours shown on the baseline drawn contour map have been compiled from the profiles which are based with linear scale. Superimposed differences are plotted in positive on each map. The detectors were 17.
x 4 inch NaI(Tl) crystals (four in a mass
ferrata container of 400 feet. The data have
been corrected for background, height variation
and Compton scattering of the crystals. Because
of the statistical nature of the radiation, a
smoothing technique has been applied to the data.
A levelling technique has been applied to the data.
variations in atmospheric radon concentration,
background from the ground is derived dataset
radioactivity from the upwound 17 Iodine. Prom-
pective of whether it is soil or rock. The
Potassium, and Thorium maps represent
the counts recorded in 2.5 seconds not is the case
of the Bismuth for 2.5 seconds. The ratio maps
represent the ratio of the counts of the respective
elements multiplied by 1 factor of 100. An
approximate conversion may be obtained
using the relation:
1 ppm Uranium = 26 counts
1 ppm Thorium = 11 counts
1 percent Potassium = 170 counts
Airborne radioactivity survey 1971
A.C. Darling, R.L. Grasty, R.A. Blackwelder
Geological Survey of Canada
Scale 1:50,000
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