



**AIRBORNE RADIOACTIVITY MAP**  
**DISTRICT OF MACKENZIE**  
**NORTHWEST TERRITORIES**  
**KA-137C/CH POTASSIUM**

GEOLOGICAL SURVEY OF CANADA  
 DEPARTMENT OF MINES AND TECHNICAL SURVEYS

Airborne gamma-ray spectrometry data collected by the Canadian Airborne Spectrometry Service (CASS) in the summer of 1972 are presented in this map. The map shows the distribution of potassium in the District of Mackenzie, Northwest Territories. A geological map of the area, compiled by G. R. G. Brown, is included as an inset map. The map is accompanied by a list of flight lines.

Airborne radiometric measurements were made using a NaI(Tl) detector. The data were corrected for background, height, and other factors. The data were then processed to produce a map showing the distribution of potassium. The map is based on a grid of 250 metres wide and 300 metres along the flight line.

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Values shown on this map and profile represent potassium concentration in parts per million (ppm). The map is based on a grid of 250 metres wide and 300 metres along the flight line.

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OPEN FILE  
 MAP 140  
 GEOTECHNICAL

Scale 1:250,000  
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Airborne Radioactivity Survey 1972  
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 E. J. Brown  
 R. S. Chisholm  
 Geological Survey of Canada