



AIRBORNE RADIONUCLIDE MAP
DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES
SARAJICICH

THORIUM POTASSIUM RATIO

The thorium and potassium ratios were determined by the method of Sarajicich (1967) which is described in the report of the same name. The method involves the measurement of the gamma-ray spectra of the samples and the calculation of the ratios from the peak areas of the spectra.

The data have been corrected for background, weight, and other factors. The results are shown on the map as contour lines representing equal ratios. The ratios range from 0.1 to 0.6.

The map shows a general trend of increasing ratios from north to south. The highest ratios are found in the northern part of the district, while the lowest ratios are found in the southern part.

The map is based on data collected during the 1967-68 season. The data were collected from 100 different locations throughout the district.

The map is a contour map showing the thorium to potassium ratio. The contours are labeled with values such as 0.1, 0.2, 0.3, 0.4, 0.5, and 0.6. The map also shows major geographical features like rivers and lakes.

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OPEN FILE
MAP 1003
GEOLOGICAL SURVEY OF CANADA

Scale 1:250,000

Airborne Radiometric Survey 1972
P. A. Sarajicich
E. J. Harkness
E. J. Harkness
Geological Survey of Canada

