

REGIONAL GEOCHEMICAL SURVEYS IN LABRADOR

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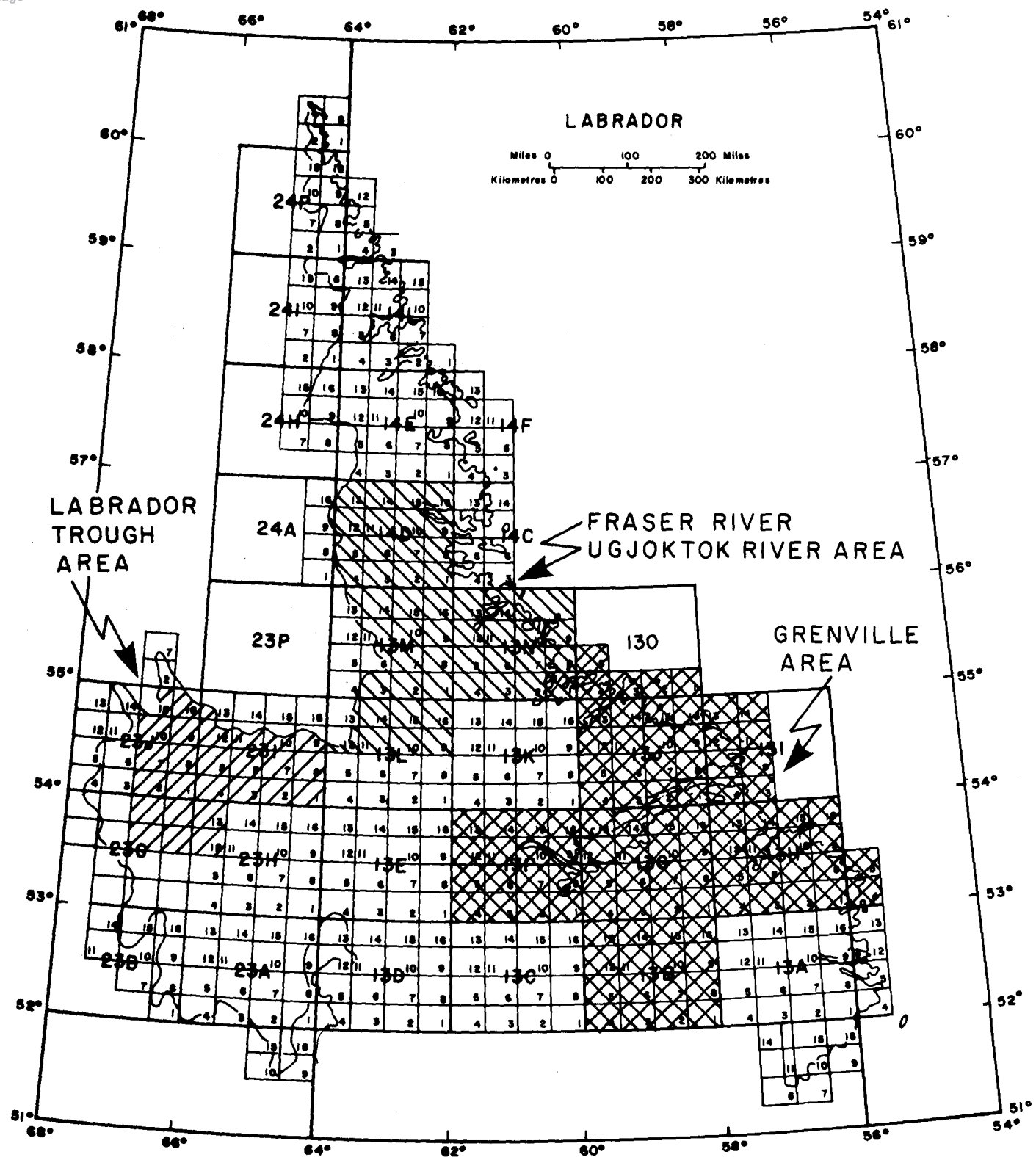
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The second phase of the regional lake sediment geochemical surveys in Labrador was conducted in two areas of Labrador about 61,000 km² in total area between the beginning of July and mid-September, 1978. The surveys were carried out over the northern part of the Labrador Trough and in the Fraser River-Ugjoctok River area, which is mainly within the Churchill Structural Province. In the survey, profundal lake sediment and water were collected from a total of 4744 sites in the two areas. The sediment samples are being analysed for U, Cu, Pb, Zn, Co, Ni, Ag, F, Mo, As, Mn, Fe and L.O.I., and the water samples for U, F and pH. The sample collection and preparation methods and

the analytical techniques used are described in the reports of the 1977 surveys (Open Files Labrador 396, 13B/18, 13H/29, 13F/30 and 13G/30).

The project is being carried out under the Canada-Newfoundland Uranium Reconnaissance Programme and the Canada-Newfoundland Mineral Development Subsidiary Agreement. Field operations and sample preparation and analysis were carried out under contracts let and supervised by the Geochemistry Section of the Geological Survey of Canada.

The results will be compiled as single element maps on a geological base at a scale of 1:250,000, and released as an Open File from Ottawa and St. John's before the start of the 1979 field season in Labrador.



Areas covered by regional reconnaissance surveys in 1977 (Grenville area) and 1978 (Fraser River – Ugjoktok and Labrador Trough areas), Labrador.