

R.V. Gibbons (Editor)

exploration activity for 1976 was initiated using returns from the "Annual Statement of Mineral Exploration Index Data" submitted by the exploration companies. This compilation will be continued on an annual basis.

Preliminary work is underway for further mineral commodity studies and for core storage facilities.

REFERENCES

Bowen, R.W. and Botbol, J.M.

1975: The Geologic Retrieval and Synopsis Program (GRASP); United States Geological Survey professional paper 966, 87 pages.

Hsu, E.

1974: Mineral Inventory; Report of Activities, 1973; Newfoundland Department of Mines and Energy, Mineral Development Division, pages 6-8.

McArthur, J.G. and Howse, A.F.

1977: Crown Properties Mineral Evaluation Survey; Report of Activities, 1976; Newfoundland Department of Mines and Energy, Mineral Development Division, pages 80-84.

REGIONAL LAKE SEDIMENT GEOCHEMICAL SURVEY IN LABRADOR

by P.H. Davenport

Between July and September 1977 a regional lake sediment geochemical survey was carried out in south-eastern Labrador in N.T.S. areas 13B, 13F, 13G, 13H, 13I, 13J and 13O (see Figure 1). Profundal lake sediments and lake waters were sampled at 4304 sites in the 73,000 km² area, which is mainly within the Grenville Structural Province but also includes the uranium deposits at Kitts Pond and Michelin. The sediment samples are being analysed for U, Cu, Pb, Zn, Co, Ni, Ag, F, Mo, As, Mn, Fe and L.O.I., and U, F and pH are being determined on the water samples.

The project was carried out under the Canada-Newfoundland Uranium Reconnaissance Program 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 geochemical symbol plot maps with a data listing, and released as an open file from Ottawa and St. John's. Estimated publication date is the start of the 1978 field season. Two further areas in Labrador, the Labrador Trough and in the Churchill Structural Province (Figure 1), comprising an area of about 61,000 km², are to be covered in a similar way in 1978.

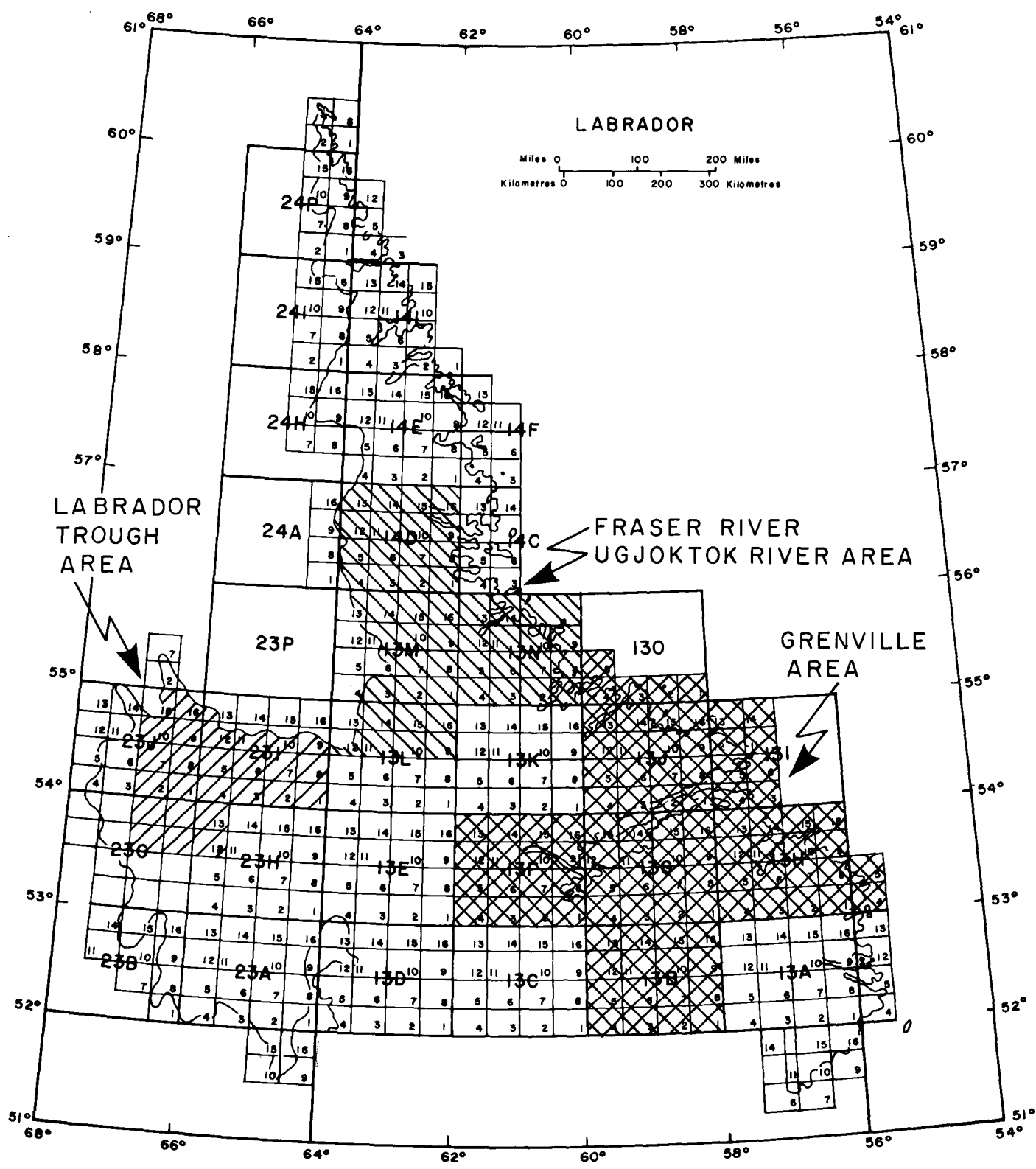


Figure 1. Area covered by regional reconnaissance survey in 1977 (Grenville area), and areas to be covered in 1978 (Fraser River - Ugjoktok and Labrador Trough areas), Labrador.