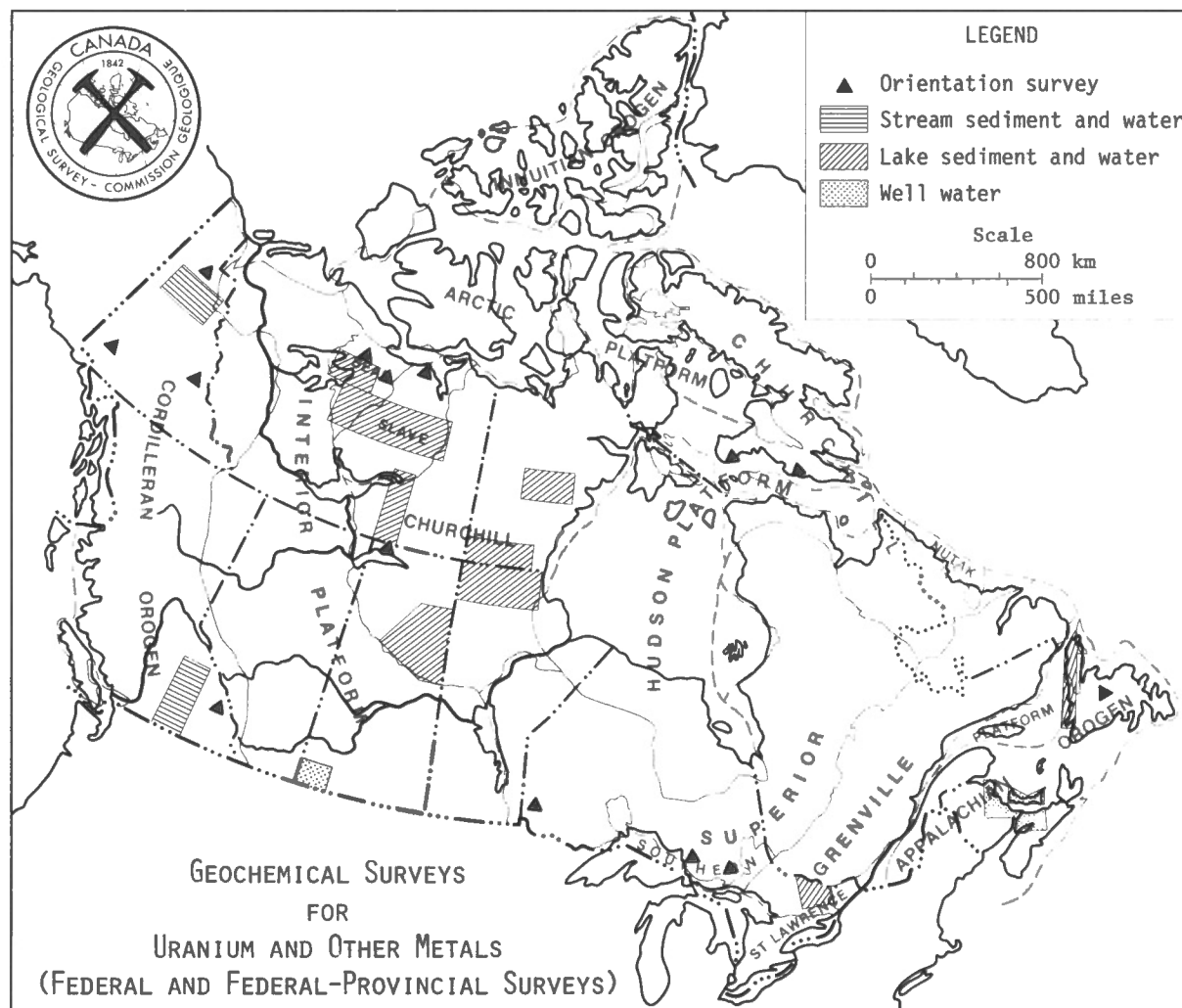


## GEOCHEMISTRY URANIUM PROJECT



## PUBLICATIONS AVAILABLE TO END OF 1976

G. S. C. Publication	Location	N. T. S. Maps	Sample Density	Sample Type
Open File 266	N. E. Saskatchewan	63M, 64D, & parts of 63K, 63L, 63N, 73I, 73O, 73P, 74A	1 per 5 sq. mi.	Lake sediment
Open File 320	N. W. Manitoba	64J	1 per 5 sq. mi.	Lake sediment
Open File 321	N. W. Manitoba	64K	1 per 5 sq. mi.	Lake sediment
Open File 322	N. W. Manitoba	64N	1 per 5 sq. mi.	Lake sediment
Open File 323	N. W. Manitoba	64O	1 per 5 sq. mi.	Lake sediment
Open File 324	Nonacho Lake, N. W. T.	75C	1 per 5 sq. mi.	Lake sediment
Open File 325	Nonacho Lake, N. W. T.	75F	1 per 5 sq. mi.	Lake sediment
Open File 326	Nonacho Lake, N. W. T.	75K	1 per 5 sq. mi.	Lake sediment
Open File 327	Great Bear Lake N. W. T.	86K	1 per 5 sq. mi.	Lake sediment
Open File 328	Great Bear Lake N. W. T.	86L & 96I	1 per 5 sq. mi.	Lake sediment
Open File 340	Carboniferous Basin, N. B., N. S., P. E. I.	11E, 11L, 21H, 21I, 21P	1 per 5 sq. mi.	Well waters

G. S. C. Publication	Location	N. T. S. Maps	Sample Density	Sample Type
Open File 341	S. British Columbia	Parts of 82E, 82K	Detailed	Stream water and sediment - Lake water and sediment
Open File 388	South & Central Yukon	106D, 106E, 116A, 116B, 116G	Detailed	Stream water and sediment and heavy minerals and rocks
Paper 74-32	Beaverlodge, Saskatchewan	Part of 74N	Detailed	Lake and stream waters and sediments
Paper 74-1B, p. 167-169	Bathurst, N. B.	Parts of 21O, 21P	Detailed	Stream sediment
Maps 9-1972 to 15-1972	District of Mackenzie N. W. T.	N $\frac{1}{2}$ of 86A, 86B, 86C, 76B, 76C, 76D,; all of 76E, 76F, 76G, 86F, 86G, 86H	1 per 10 sq. mi.	Lake sediment
Paper 70-54	Carboniferous basin, N. S.	Parts of 11D, 11E, 11F, 21A, 21H	Detailed	Stream sediments
Paper 75-41	Saskatchewan	Same as O. F. 266	1 per 5 sq. mi.	Lake sediment

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#### PUBLICATIONS TO BE RELEASED IN 1977

Location	N. T. S. Map	Sample Density	Sample Type
Great Bear Lake N. W. T.	86J, 86K, 86N, 86O	1 per 1.25 sq. mi.	Surface waters
Baker Lake area N. W. T.	55M, 65P	1 per 5 sq. mi.	Lake sediments
Nueltin Lake N. W. T.	65A, 65B, 65C	1 per 5 sq. mi.	Lake sediments
N. E. Manitoba	54L W $\frac{1}{2}$ , 54M W $\frac{1}{2}$ 64I, 64P	1 per 5 sq. mi.	Lake sediments
Cypress Hills, Saskatchewan	72F	1 per 5 sq. mi.	Well waters
S. British Columbia	82F, 82K	1 per 5 sq. mi.	Stream waters and sediments
Central Ontario	31F and 31C N $\frac{1}{2}$	1 per 5 sq. mi.	Lake sediment
Yukon	106C, 106D, 106E, 106F, 116A, 116C, 116G, 116H	1 per 5 sq. mi.	Stream sediments and water
N. W. Manitoba	64J, 64K, 64N, 64O	Detailed	Rock, soil, lake sediment, lake water
Nonacho Lake N. W. T.	75C, 75F, 75K	Detailed	Rock, soil, lake sediment, lake water
S. Baffin Island N. W. T.	36B, 36C, 25N	Detailed	Rock, soil, lake water and sediment, stream water and sediment
Ontario	Parts of 31C, 31D, 31E, 31F, 52F, 41N, 41I	Detailed	Rock, soil, lake water and sediment, stream waters and sediments

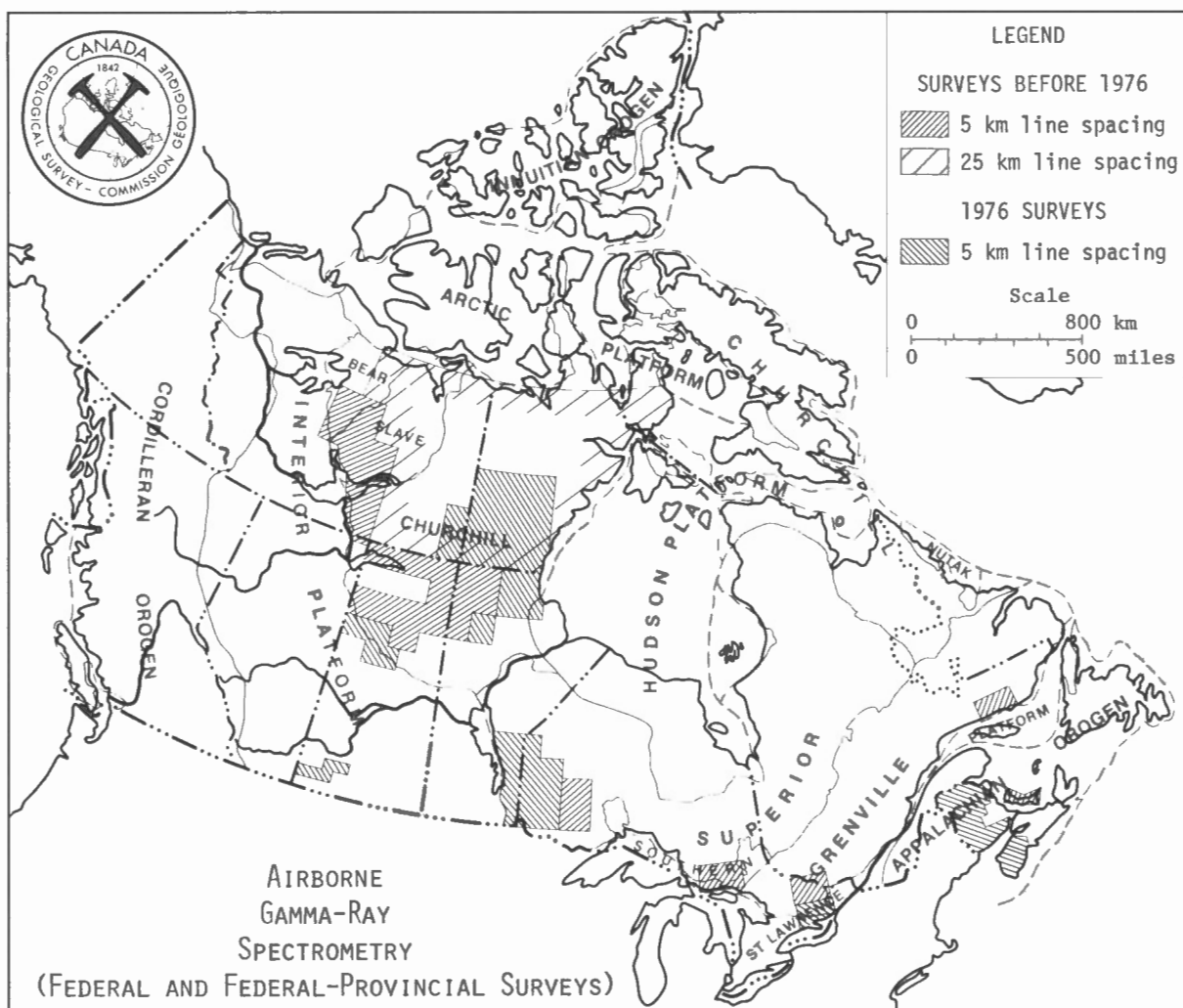
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All of the reconnaissance lake and stream sediment surveys were analyzed for uranium plus other chemical elements as warranted by the geology and mineralogy of the specified area. For O. F. 266 to 328, as listed, these other metals included Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe, Mo, As, Hg, L.O.I. The lake and stream waters were routinely analyzed for uranium. F, Cl, SO<sub>4</sub>, Cu, Pb, Zn, Ni, Co, Ra, Rn, pH, alkalinity and

specific conductance were done on some waters, again depending on the environment.

All Open File releases are available for reference in the Geological Survey of Canada Library, 601 Booth Street, Ottawa, Ontario, and in the regional centres for the areas concerned. Microfiche copies are available for most recent Open Files by applying to the Geological Survey of Canada.

LIST OF AIRBORNE RADIOACTIVITY SURVEYS FLOWN BY  
THE GEOLOGICAL SURVEY OF CANADA



<u>Open File Number</u>	<u>Area</u>	<u>Flight Line Spacing</u>
22	1969 Cross Country	double profile across Shield (not shown on index map)
45	Bancroft, Ontario	¼ mile
63	Uranium City, Saskatchewan	2 km
75	Elliot Lake, Ontario	½ km
101	Fort Smith, N. W. T.	5 km
110	Mont Laurier, Quebec	¼ mile
124	Yellowknife, N. W. T.	2.5 km
140	Bear-Slave, N. W. T.	5 km
169	Northern Saskatchewan 53°N - 60°N	50 km
188	Marian River, N. W. T.	5 km
242	Wollaston Lake, Saskatchewan	1 mile
254	Tazin Lake, Saskatchewan; Blind River, Ontario; Havre St. Pierre, Quebec; Prince Edward Island; Burin Peninsula, Newfoundland (uranium contour maps only)	5 km

<u>Open File Number</u>	<u>Area</u>	<u>Flight Line Spacing</u>
257	Tazin Lake, Fond du Lac, Stony Rapids, Phelps Lake, Saskatchewan	5 km
258	Hatchet Lake, Saskatchewan	$\frac{1}{2}$ mile
259	Black Lake, Saskatchewan	$\frac{1}{2}$ mile
262	Blind River, Ontario	5 km
264	Ottawa - Arnprior Area, Ontario	$\frac{1}{2}$ km
269	Prince Edward Island	5 km
270	Burin Peninsula, Newfoundland St. George's Basin, Newfoundland	5 km 2 km
271	Havre St. Pierre, Quebec Johan Beetz, Quebec	5 km 1 km
309	64E - Reindeer Lake, North, Saskatchewan	5 km
310	64L - Wollaston Lake, Saskatchewan	5 km
311	74A - Foster Lake, Saskatchewan	5 km
312	74G - Cree Lake, Saskatchewan	5 km
313	74H - Geikie River, Saskatchewan	5 km
314	74F - Lloyd Lake, Saskatchewan	5 km
315	64F - Brochet, Manitoba	5 km
316	64J - Tadoule Lake, Manitoba	5 km
317	64K - Whiskey Jack Lake, Manitoba	5 km
318	64N - Kasmere Lake, Manitoba	5 km
319	64O - Munroe Lake, Manitoba	5 km
329	52G - Ignace, Ontario	5 km
330	52J - Sioux Look Out, Ontario	5 km
331	31F - Pembroke, Ontario	5 km
428	31C - Kingston, Ontario	5 km
429	21A, B; 20-O - Annapolis-Shelburne, Nova Scotia	5 km
430	64N6, 64N11 - Thanout Lake, Kasmere Lake, Manitoba	1 km

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All the above Open File Releases, except Nos. 22, 169 and 430, comprise both flight line profiles and contour maps showing integral, potassium, uranium, thorium corrected count rates, and U/Th, U/K, Th/K ratios. The contour maps are intended to provide an overall view of radioelement distribution, whilst profiles provide detailed information along the flight lines. Open Files 22 and 169 comprise profiles only. Open File 430 comprises contour maps showing uranium concentration and U/Th ratio only. Open Files 101, 124, 140 and 188 provide continuous coverage of the western edge of the Shield from approximately 59°45'N to 66°N.

All are available for reference in the Geological Survey of Canada Library, Booth Street, Ottawa, and copies may be purchased from K.G. Campbell Corporation Ltd., 880 Wellington Street, Ottawa, K1R 6K7.

Microfiche copies are available from the Geological Survey of Canada for Open Files 309-319 and Open Files 329-331. Microfiche copies will be available for Open Files 428-430 at a later date.