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CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA

ANNOTATED LIST OF
PUBLICATIONS RELATED TO URANIUM

REFERENCE/RÉFERENCE

BIBL.

NOT TO BE TAKEN FROM THE ROOM
POUR LA CONSULTATION SUR PLACE

OTTAWA
1955

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FOREWORD

This list has been prepared because of the demand for information on prospecting for uranium, on uranium deposits, and for maps and reports on areas containing such deposits.

The list is in no sense a complete bibliography on the subject. It includes only the general publications obtainable from the Geological Survey that are considered most useful, with short notes on their contents; and the maps and reports available for areas where uranium has been found. A fairly complete bibliography is included in the report "Canadian Deposits of Uranium and Thorium".

Requests for publications should be addressed to: The Director, Geological Survey of Canada, Ottawa. If there is a charge, the request should be accompanied by a Postal Money Order payable to the Receiver General of Canada. If no price is listed, the publication is sent free of charge.

For certain regions, maps and reports are also published by provincial Departments of Mines.

The Geological Survey is frequently asked for maps showing staked claims. Such maps are obtainable only from the appropriate provincial Departments of Mines or from local Mining Recorders; and, for the Northwest Territories and Yukon, from the Department of Resources and Development, Ottawa, or from local Mining Recorders.

Radioactive Resources Division.

Ottawa, November 1954.

ANNOTATED LIST OF PUBLICATIONS RELATED TO URANIUM

GENERAL PUBLICATIONS

Prospecting for Uranium in Canada. This is a comprehensive, pocket-size booklet containing general information on: prospecting and staking for uranium; types of radioactive minerals and deposits found in Canada; use of Geiger counters and other instruments; and regulations of the Atomic Energy Control Board. One copy is sent free to bona fide residents of Canada; additional copies are 50 cents each.

Supplementary Notes on "Prospecting for Uranium in Canada". A short pamphlet explaining some changes in regulations, etc. that occurred after the above booklet was published, and which gives further explanation of a few points. The information is now included in the booklet, but the pamphlet is useful for those who obtained the booklet more than a year ago.

Geology and Economic Minerals of Canada. This report does not deal at length with uranium deposits but it provides a useful background. (75 cents) A related publication is the large geological map of Canada, obtainable at 50 cents.

Canadian Deposits of Uranium and Thorium. A comprehensive report giving more information on the geology and economics of these deposits than is contained in "Prospecting for Uranium in Canada", and containing short descriptions of 378 occurrences or properties. Some of the information is up to date for 1950 and some for 1951. (\$1.00)

Information on Services for Testing Radioactive Minerals. A short pamphlet explaining the testing services provided by the Geological Survey and the Mines Branch.

Uranium Orebodies, How Can More be Found in Canada? A reprint of an article supplementing the sections on prospecting and exploration in "Canadian Deposits of Uranium and Thorium". The article is intended mainly for geologists and engineers.

Uranium in Canada in 1952. A short summary of activities at uranium properties during the year.

Information on the Economics of Radioactive Pegmatites in Canada. A short summary of the results obtained to the end of 1952 at properties containing pegmatites and related types of deposits that were tested fairly thoroughly. It explains the present attitude of the Geological Survey toward such deposits.

Information on Markets and Prices for Thorium, Rare Earths, Columbium, and Tantalum. A summary of information on markets and prices for these metals, which are associated with uranium in some deposits. The pamphlet was prepared in February 1953.

Data on Portable Geiger Counters Available in Canada. A pamphlet listing Canadian dealers (in 1954) and giving notes on the types of counters available. Firms handling scintillation counters are also listed. This pamphlet is issued by the Radioactivity Division of the Mines Branch, but is also distributed by the Geological Survey.

Uranium in Canada in 1953. A short summary of the results of prospecting and exploration for uranium in 1953.

Uranium in Saskatchewan. A reprint of a magazine article describing prospecting and mining for uranium in Saskatchewan, up to early 1953. It contains general information of some interest to beginners in prospecting who intend to work in other parts of Canada, as well as in Saskatchewan.

A List of Publications on Prospecting in Canada and Related Subjects. This 60 page booklet, Paper 54-1, contains a selection of titles, with explanatory notes, which provide a basis for study of a particular topic and references to further information. It is designed to acquaint those interested with the literature pertaining to the many aspects of prospecting, particularly in Canada. It refers to prospecting in general, and includes a section on uranium. (25 cents).

BRITISH COLUMBIA

Hazelton Region

Paper 44-24 - Preliminary map of Hazelton map-area; scale 1 inch to 2 miles. Shows the geology at and near Rocher Deboile Mountain where several occurrences of uranium have been found. (15 cents)

Bridge River Region

Paper 43-15 - Tyaughton Lake Map-area; scale 1 inch to $\frac{1}{2}$ mile. A preliminary map and report on an area where several uranium occurrences were subsequently found. (15 cents)

General

Map 932A - Geological Map of British Columbia; scale 1 inch to 20 miles. (50 cents)

Misc. G-52 - A List of Recently Published Memoirs, Preliminary Papers and Maps of British Columbia. Lists publications of the Geological Survey in this province, chiefly since 1917.

NORTHWEST TERRITORIES

Great Bear Lake Region

Map 1011A - MacAlpine Channel Sheet; 1 inch to 1 mile. A final, coloured map of an area 12 miles north of the Eldorado mine. (25 cents)

Map 1014A - Camsell River Sheet; scale 1 inch to 4 miles. A final, coloured map of a large area at the southeast corner of Great Bear Lake where several uranium deposits have been found. (25 cents)

Hottah Lake Region

Maps 331A, 332A, 333A - Rae-Great Bear Lake Area; scale 1 inch to 4 miles. A series of three maps covering the canoe route between Great Slave and Great Bear Lakes via Hottah Lake. (25 cents each)

Memoir 187 - Rae to Great Bear Lake. A report describing the geology of the region, and a few pitchblende deposits. (25 cents)

Note: Maps 331A, 332A, and 333A are included with this memoir, but are also obtainable separately.

Paper 49-16 - Pitchblende Occurrences between Beaverlodge and Hottah Lakes. A preliminary report and detailed map of a small area at Hottah Lake. (15 cents)

Marian River Region

Map 690A - Snare River Sheet; scale 1 inch to 4 miles. (25 cents)

Memoir 235 - Snare River and Ingray Lake Map-areas. A report describing the geology but not the pitchblende occurrences, because these were discovered later. (25 cents)

Note: Map 690A is included with this memoir, but is also obtainable separately.

East Arm of Great Slave Lake

Maps 377A, 378A - Eastern Portion of Great Slave Lake; scale 1 inch to 4 miles. (25 cents each)

Paper 51-6 - Snowdrift Map-area; scale 1/40,000. A preliminary map and report on the western part of Stark Lake region. (15 cents)

Paper 52-5 - McLean Bay Map-area; scale 1/40,000. A preliminary map and report on the eastern part of Stark Lake region. (15 cents)

Nonacho Region

Map 525A - Taltson Lake Sheet; scale 1 inch to 4 miles. (25 cents)

Map 526A - Nonacho Lake Sheet; scale 1 inch to 4 miles. (25 cents)

General

Memoir 261 - Mineral Industry of District of Mackenzie. A comprehensive report containing much useful general information on the district; a summary of the geology; and descriptions of several uranium deposits. (\$1.25)

Misc. G-56 - A List of Recently Published Memoirs, Preliminary Papers and maps of the Northwest Territories. Lists publications of the Geological Survey dealing with the Northwest Territories, chiefly since 1917.

SASKATCHEWAN

Goldfields Region

Paper 49-17 - Preliminary maps, Goldfields - Martin Lake Areas; scale 1 inch to $\frac{1}{2}$ mile. These maps cover much of the part of Goldfields region where activity for uranium has been greatest. (15 cents)

Memoir 269 - Goldfields - Martin Lake Map-area. A recent report describing the geology of the abovementioned area and thirty-six uranium properties. (75 cents)

Paper 50-16 - Mineralogy of the Goldfields District. A preliminary report on a special study of the mineralogy of uranium deposits in Goldfields region. (15 cents). The final report, G. S. Bulletin 31, is in press.

Paper 51-7 - Forget Lake Map-area; scale 1 inch to $\frac{1}{2}$ mile. A preliminary map and report on the area immediately east of Goldfields - Martin Lake map-area. (15 cents)

Paper 51-24 - A Petrographic Description of the Wall-rocks and Alteration Products Associated with Pitchblende-bearing veins in the Goldfields Region. A preliminary report on a special study of the nature of the wall-rocks of several uranium deposits, with particular emphasis on the nature of the red alteration. (15 cents)

Paper 52-1 - Nevins Lake Map-area; scale 1 inch to $\frac{1}{2}$ mile. A preliminary map and report on the area immediately east of Forget Lake map-area. Nevins Lake area is about 25 miles east of Goldfields townsite. (15 cents)

Paper 53-15 - Black Bay Map-area; scale 1 inch to $\frac{1}{2}$ mile. A preliminary map and report on the area immediately west of Goldfields - Martin Lake map-area. (50 cents)

Paper 54-6 - Gulo Lake, Saskatchewan; a geological map with marginal notes, of the area west of Black Bay area. (25 cents)

Paper 54-8 - Crackingstone, Saskatchewan; a geological map with marginal notes, of the area that contains the Gunnar mine and nearby properties. (25 cents)

Fond-du-Lac Region

Map 364A - Fond-du-Lac Sheet; scale 1 inch to 4 miles. A map showing the general geology of a large region at the east end of Lake Athabasca. (25 cents)

Stony-Rapids - Porcupine River Region

Map 659A - Stony Rapids Sheet; scale 1 inch to 4 miles. A map showing the geology near the Middle Lake and Nisto uranium deposits. (25 cents)

Map 658A - Porcupine River Sheet; scale 1 inch to 4 miles. A map showing the geology of the Charlebois Lake region where many deposits of radioactive pegmatites and related types have been found. (25 cents)

Foster Lake Region

Map 434A - Foster Lake Sheet; scale 1 inch to 4 miles. An area between La Ronge and Lake Athabasca, where several uranium occurrences are being investigated. (25 cents)

Cup Lake Region

Memoir 180 - Mudjatik-Haultain Area. (50 cents)

Map 579A - Haultain River. A geological map on the scale of 1 inch to 4 miles. (25 cents)

La Ronge Region

Maps 357A and 358A - Lac la Ronge Sheets; scale 1 inch to 4 miles. Areas in which several deposits of radioactive pegmatite and related types are being investigated. (25 cents each).

General

Map 895A - Geological Map of Saskatchewan; scale 1 inch to 20 miles. (25 cents)

Misc. G-54 - A List of Recently Published Memoirs, Preliminary Papers and Maps of Saskatchewan. Lists publications of the Geological Survey in this province, mainly since 1917.

ONTARIO

Kenora - Port Arthur Region

Map 266A - Kenora Sheet; scale 1 inch to 8 miles. Shows the general geology of a large area extending from the Manitoba boundary to longitude 90°. (25 cents)

Map 308A - Lake Nipigon Sheet; scale 1 inch to 8 miles. Shows the general geology of a large area between longitudes 85° and 90°. (25 cents)

Blind River Region

Map 1970 - Blind River Sheet - Reprinted 1954. Scale 1 inch to 2 miles. A geological map of the principal part of Blind River region. (25 cents)

North Bay Region

Map 606 - Nipissing District; scale 1 inch to 4 miles. This is an old map that does not add to the information shown on Map 155A, but the scale is larger. (25 cents)

Paper 54-5 - Notes on the Geology and Mineralogy of the Newman Columbian-Uranium Deposit, Lake Nipissing, Ontario; a description of a deposit sometimes called the Manitou Islands or Beaucage deposit.

Wilberforce Region

G. S. Bulletin 23 - Petrology of the Richardson Radioactive Deposits. This report describes a detailed study and mapping of the internal zones of this deposit. Similar studies may be desirable for other pegmatitic deposits if they appear to be of commercial importance. The report is of interest chiefly to geologists. (25 cents)

General

Misc. G-57 - A List of Recently Published Memoirs, Preliminary Papers and Maps of Ontario. Lists publications of the Geological Survey in this province, mainly since 1917.

QUEBEC

Grand Calumet Island

Map 191A - A geological map on the scale of 1 mile to 1 inch. (25 cents)

Oka Region

Maps 660A and 662A - Two adjoining geological maps on the scale of 1 inch to 2 miles. (25 cents each)

General

Map 703A - Southern Quebec, West Sheet; scale 1 inch to 12 miles. Shows the general geology of parts of a large area extending eastward from the Ontario boundary, including the Maniwaki region where several occurrences of radioactive pegmatites and related types of deposits have been found. (25 cents)

Map 704A - Southern Quebec, Centre Sheet; scale 1 inch to 12 miles. Shows the general geology of parts of a large area between longitude 67° and 73°, including the Portneuf and St. Simeon regions where several deposits of radioactive pegmatite have been found. (25 cents)

Map 705A - Southern Quebec, East Sheet; scale 1 inch to 12 miles. Shows the general geology of part of Gaspé region, where one pitchblende occurrence has been found. (25 cents)

Note: The three maps listed above may be obtained as a set for 50 cents.

Misc. G-58 - A List of Recently Published Memoirs, Preliminary Papers and Maps of Quebec. Lists publications of the Geological Survey in this province, mainly since 1917.

NEW BRUNSWICK

Map 910A - Geological Map of the Maritime Provinces, scale 1 inch to 12 miles. (25 cents)

Misc. G-59 - A List of Recently Published Memoirs, Preliminary Papers and Maps of the Maritime Provinces. Lists publications of the Geological Survey in this province, mainly since 1917.