

TRENCHING & SAMPLING PROGRAM

AR GROUP

PARADISE CREEK

URANIUM-COLUMBIUM PROSPECT

KAMLOOPS MINING DIVISION

BLUE RIVER, BRITISH COLUMBIA

N.T.S. 83D

52° 17'N 119° 10'W

For

John Kruszewski

By

Meyers Consulting

November 1978

E. Meyers P. Geol.

7236

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7236

PARADISE CREEK PROSPECT
N.T.S. 83D
Kamloops Mining Division
British Columbia

In June 1, 1978 and July 25-28, 1978 a Trenching and Sampling Program was undertaken on the Paradise Creek uranium-columbian prospects.

On both occasions the work was under the supervision of E. Meyers, Calgary, Alberta with the assistance of John Kruszewski, Calgary, Alberta and Sven Englund, Clinton, British Columbia. A total of 840 cubic meters of stripping was undertaken with a D-8 cat.

Two grab samples were taken from areas of high radioactivity and submitted for assay.

This report represents the results of this work.

CERTIFICATE

I, Eugene P. Meyers, of the City of Calgary, in the Province of Alberta, certify as follows:

1. That I am a geologist residing at 139 Coleridge Rd. N. W. Calgary, Alberta.
2. That I graduated with a Bachelor of Science Degree in Geology from the University of Idaho in 1963.
3. That I am registered as a Professional Geologist in the Province of Alberta.
4. That I have practiced my profession in mining and minerals exploration in Canada and the United States continuously for the past sixteen years.

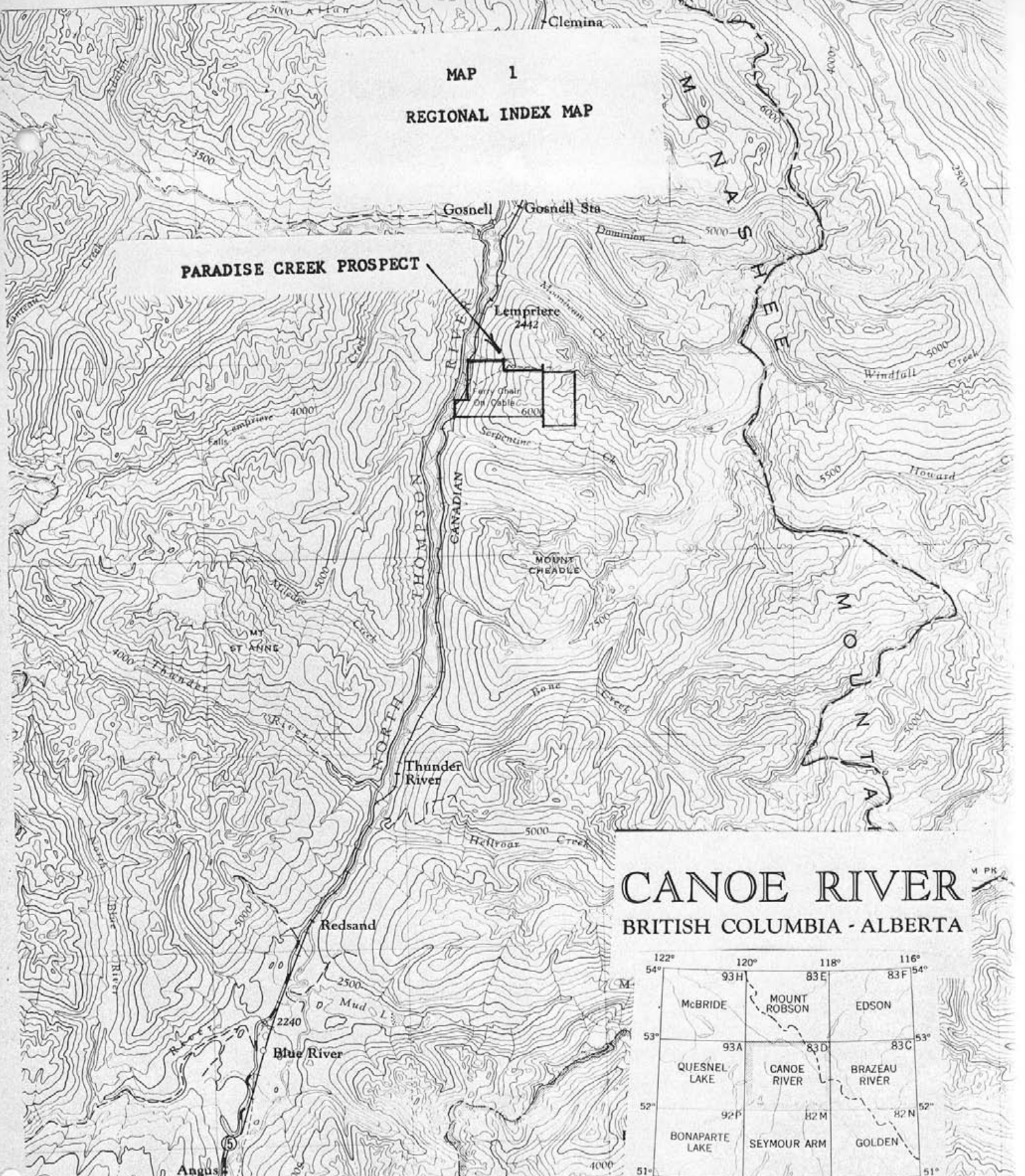
DATED IN CALGARY THIS 30 DAY OF November, 1978.

A circular professional seal for Eugene P. Meyers, a Professional Geologist in Alberta. The seal features his signature in the center and the text "PROFESSIONAL GEOLOGIST" and "ALBERTA" around the perimeter. A horizontal line is drawn across the seal.

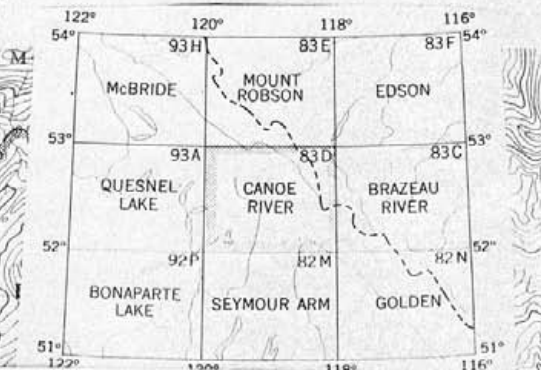
Eugene P. Meyers, P. Geol.

MAP 1
REGIONAL INDEX MAP

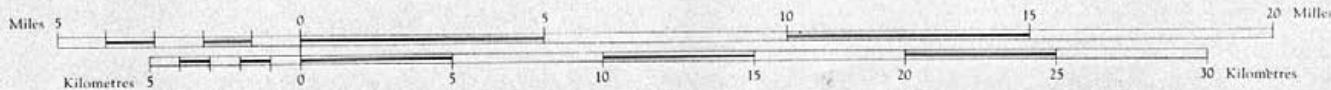
PARADISE CREEK PROSPECT



CANOE RIVER
BRITISH COLUMBIA - ALBERTA



Scale 1:250,000 Échelle



Kamloops
Vavenby 46m

119°00'

45'

CLAIM DISPOSITION (Map 1)

J. Kruszewski controls 4 contiguous claim groups by staking. The claim group covers 3600 acres and are designated as follows:

Claim Name	No.	No. of Units	Anniversary Date
AR-1	25060	486(8)	Nov. 1979
AR-2	25061	487(8)	Aug. 1979
AR-3	03353	505(9)	Sept. 1979
		TOTAL	
			40

Kruszewski

option on the Verity Claim owned by Miss Elizabeth French of Blue River, British Columbia.

LOCATION AND ACCESSIBILITY (See Regional Index Map)

AR 1 and 2 are accessible by logging roads approximately 2 miles south of the Lempriere flag stop. Lempriere is located 26 miles north of Blue River and 30 miles south of Valemont, B.C. along the Yellowhead Highway. Lempriere is located 169 miles north of Kamloops, B.C., and is the focal point for section gangs working on the Canadian National Railway tracks. A cleared power line right-of-way, 250' in width, bisects AR 1 and 2. Logging is currently active on AR-2.

TOPOGRAPHY AND CLIMATE

Relief ranges from 3000' to 7500' within the claim boundaries. Slopes are steep and undergrowth consisting of buckbrush, devils-club, and huckleberry is thick. Heavy stands of hemlock, cedar, fir, and white pine cover the slopes. The tree line is 6500' in elevation. Precipitation averages 50" per year and snow fall

is generally heavy. Overburden generally does not exceed 15 feet.

HISTORY

The property was originally staked by O.E. French, a homesteader in the area, in 1950 on the basis of a vermiculite showing. Subsequent investigation by French resulted in the discovery of uranium bearing pyrochlore. In the spring of 1952, St. Eugene Mining Corp. Ltd. optioned the property and additional claims were staked. Most of the exploration work consisting of trenching, sampling, and blasting was confined to the verity and mill claims situated at elevations of from 3000' to 3500'.

The Paradise Group of claims is some 3 miles east and at an elevation of 6500', and received little work outside of trenching. The option was dropped by St. Eugene and the property has remained idle since that time.

REGIONAL GEOLOGY

The claim area has been mapped and is covered by G.S.C. Map 15, 1967. The rocks in the area are mapped as the Kaza Group belonging to the Windemere Period of Late Proterozoic Age.

Locally the rock-type underlying the area is a quartz hornblende mica gneiss having a gneissosity trending from 80-120° Azimuth and dipping from 20-45° to the south.

There are numerous pegmatitic occurrences within the claim area consisting of feldspar and quartz and white in color. Of the pegmatites observed, none appear to be radioactive. G.S.C. Map 15 defines two faults (See Map 3) joining in the vicinity of the Mill Zone.

The major fault, trending N 10° E, cuts both the Mill and the Main Zone.

LOCAL GEOLOGY

General Remarks About Carbonatite

Carbonatites are generally calcitic or dolomitic intrusive rocks associated with volcanism. Classic description of carbonatites described in literature as follows:

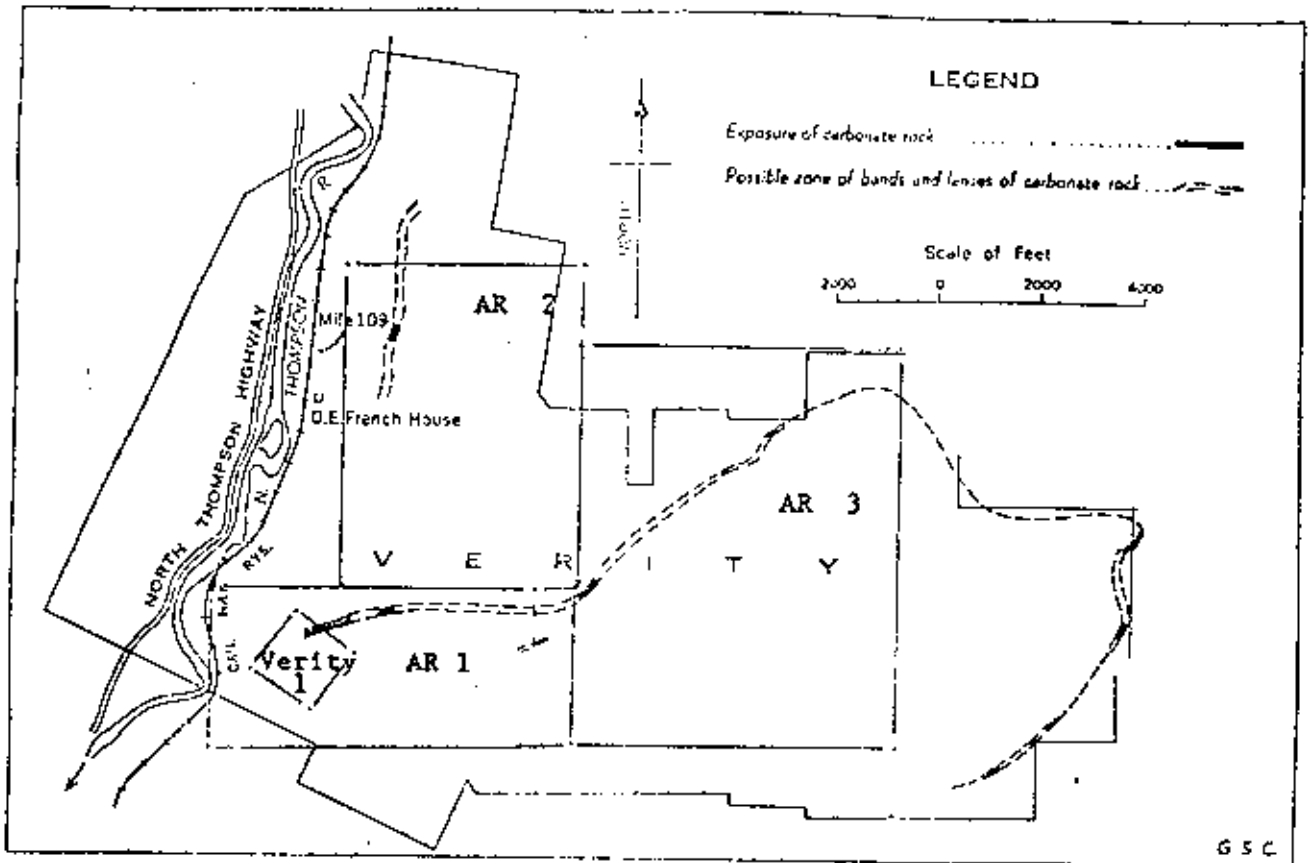
- 1) distinctive accessory minerals such as magnetite, apatite, and pyrochlore; minerals such as fluorite, zircon, barite are commonly present.
- 2) commonly developed ring-structure.
- 3) variation in size commonly ranging from 1 to 4 miles and roughly circular in plan.
- 4) proximity to rift valleys. (The Rocky Mountain Trench is 25 miles to the east).

Main Zone

The carbonatite in the Main Zone has been mapped by the G.S.C., Economic Geology No. 18 (See Map 2). The carbonatite appears to be elliptical in plan view and has been traced along strike for four miles over a vertical range of 4000 feet. The zone has a width of over 100 feet, highly fractured, and always in proximity to a pegmatite sill where exposed. The carbonatite is conformable with the strike of the surrounding gneiss. The carbonatite weathers to a soft, yellow to sugary-appearing rock easily crumbled in the hand. Clots and dissemination of apatite, vermiculite, hornblende, and magnetite have a preferred linear trend. The fresh rock is relatively soft, white-grey in appearance with dark minerals standing

MAP 2

Sketch Map of Carbonate Rocks and
Claim Boundary on the A. R. Property



Sketch map of the **AR** property, southeastern British Columbia, showing occurrences of carbonate rocks. [from map by H. D. Hughes, 1922]

out in contrast. There are two to three other carbonatite satellite zones to the north of the main zone. They are much smaller in size and little work has been conducted on them.

Past mapping on the Paradise showings indicate they are an extension of the Main Zone. These older showings lie on a projected extension of the Main Zone some 3 miles to the east of an elevation from 6200 to 7500 feet. Their geologic settings are identical with the main zone and more than one zone appears to be present.

TRENCHING

A total of 6 trench excavated on the main zone as indicated on Map #3. The total volume moved is as follows:

<u>No.</u>	<u>Cu. Meters</u>	<u>Radioactivity</u> C.P.S.
1	169.8	1900
2	169.8	1700
3	127.3	1300
4	101.8	900
5	169.8	2300
6	<u>101.8</u>	2300
TOTAL	840.3	

A D-8 cat owed by J. Garick, Valemont, B.C. was used for the excavation. All of the trench was conducted along pre-existing roads with the exception of Trench No. 1.

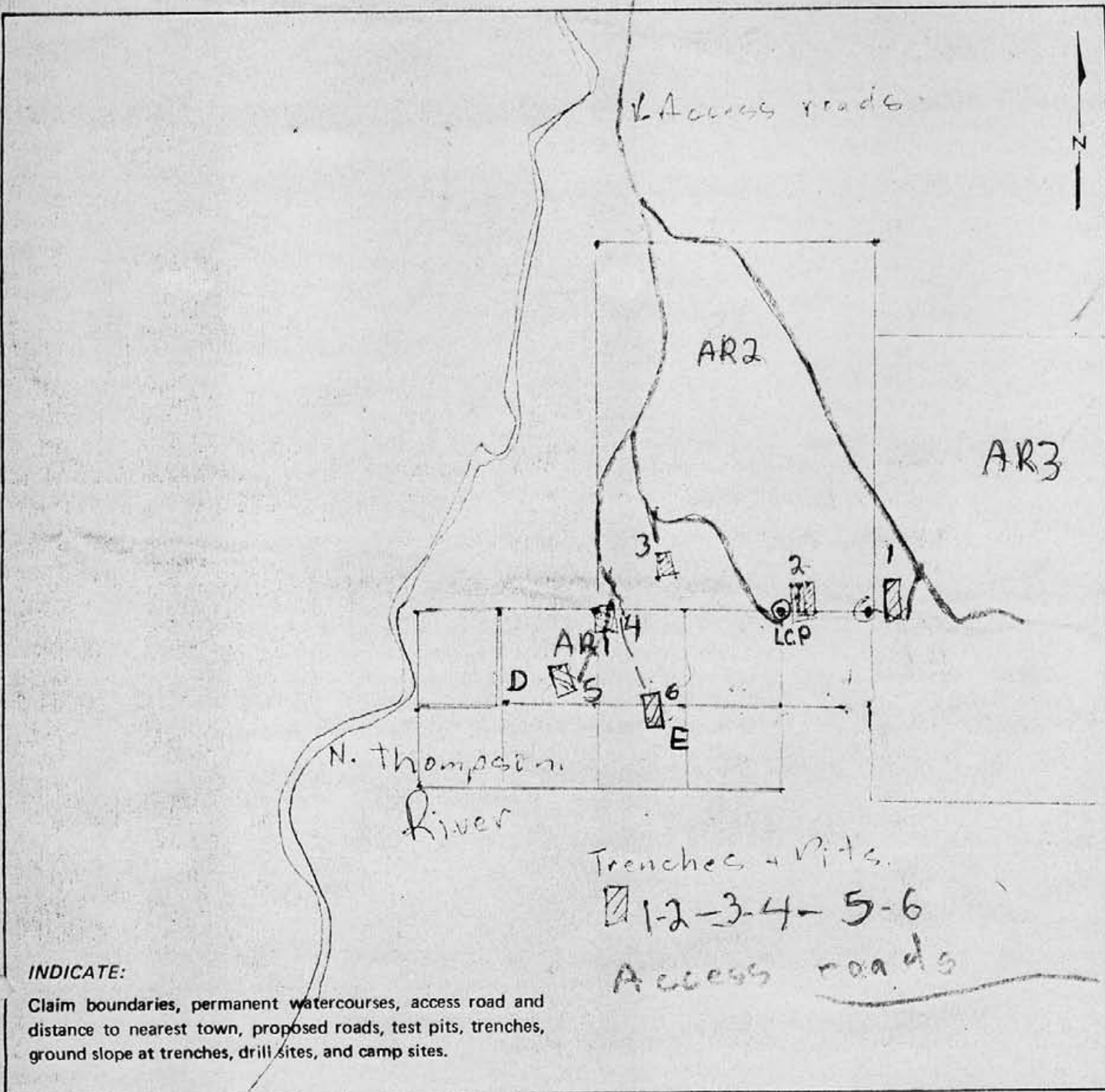
Radioactivity was monitored with an Exploranium GRS 101 gamma ray scintillometer.



DEPARTMENT OF MINES AND PETROLEUM RESOURCES

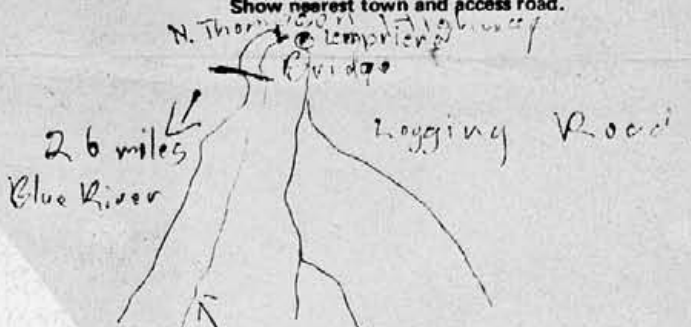
MINERAL RESOURCES BRANCH
LEMPRIERE
INSPECTION AND ENGINEERING DIVISION

SITE PLAN



LOCATION MAP

Show nearest town and access road.



Name of property AR

Claim No. 1-2-3

Owner J. G. M. ...

Date July 25 1972

File No. Scale

1:16000

ASSAY RESULTS

Trenches 5 and 6, Samples "D", "E" were taken from areas of highest radioactivity. Appendix I lists the results which were assayed for uranium and associated rare-earths. Visible vermiculite and apotite were observed in all the trenches.

CONCLUSIONS:

Trenching and sampling on the AR Group has demonstrated uranium, columbian and associated rare earths.

Previous sampling also shows values in zirconium, phosphate and vermiculite.

Continued reconnaissance prospecting, sampling and trenching are required to fully assess the potential of the property.



To: Mr. J.M. Kruzewski
 760, 320 - 9th Ave. S.W.
 Calgary, Alberta



File No. 15628
 Date August 9, 1978
 Samples Chip

**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

SAMPLE No.	Chemical % U308
Sample "D"	.026
Sample "E"	.025
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Objects Retained one month.
 Slips Retained one month
 unless specific arrangements
 made in advance.

E. M. J. J. J.

To: Mr. John M. Kruzeuski,
760, 320 - 9th Avenue S.W.,
Calgary, Alberta



File No. 16333
Date December 15, 1978
Samples Chip
Old File # 15628

**Certificate of
ASSAY of
LORING LABORATORIES LTD.**

SAMPLE No.	PPM La	PPM Ce	PPM Pr	PPM Nd	PPM Sm	PPM Eu	PPM Gd
<u>"Rare Earth"</u>							
Sample "D"	650	1650	60	1000	180	22	100
Sample "E"	850	1850	100	900	160	30	100
	PPM Tb	PPM Dy	PPM Ho	PPM Er	PPM Tm	PPM Yb	PPM Lu
Sample "D"	-5	23	28	-5	-5	-5	52
Sample "E"	-5	29	14	10	10	-5	24
- = Less Than							
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES							

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Ad M. J. ...
Licensed Assayer of British Columbia



LORING LABORATORIES LTD.

629 BEAVERDAM RD. N.E. CALGARY, ALTA. T2K 4W2

TO Mr. John M. Kruzeuski,
760, 320 - 9th Avenue S.W.,
Calgary, Alberta

INVOICE N^o 16333

DATE December 15, 1978

Old File # 15628

Chip SAMPLES

2	Rare Earth Determinations	@	200.00	400.00
		@		
		@		
		@		
		@		
		@		
			TOTAL	\$ 400.00

W30'
D. .026
E .025

THIS IS YOUR INVOICE
PLEASE PAY THE AMOUNT SHOWN

TERMS — 30 DAYS

December 7, 1978

Mr. John Kruszewski
714 - 315 - 9th Avenue, S.W.
Calgary, Alberta

Dear Sir:

RE: VALUATION OF ASSESSMENT -
AR GROUP, BLUE RIVER, BRITISH COLUMBIA

The following expenditures represent cost of work conducted on the AR Group, Blue River, British Columbia for the months of June 25-28 and July 1978.

Wages:

John Kruszewski 6 days at \$100	600
E. Meyers	1,200
S. Englund 5 days at \$100	500

2,300

Travel

Bronco - 5 days at \$25 & 20¢/mile	225
Jeep - 6 days	350
Power Wagon - 6	350

Lodging 275

Meals 185

Cat Work 967

Assay - 2 Uranium @ \$22 =	44.00	
Rare Earths	\$400.00	
	<u>444.00</u>	444 ✓

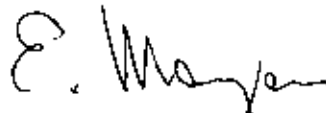
Report Writing 200 ✓

Scintillometer GRS101 rental - 6 days @
\$20/day 120 ✓

Reproduction & Typing 30

TOTAL \$5,446

Respectfully Submitted



E. Meyers, P. Geol.