

CHINOOK CONSTRUCTION & ENGINEERING LTD.
 GEOLOGY, GEOPHYSICS AND PERCUSSION DRILLING
 ON THE GRAND FORKS PROPERTY
 IN THE GREENWOOD MINING DIVISION
 (NTS 82E/ 1W)

Claims:		Record No.		Units
	Hot		401	8
	Sun		400	6
	Deb		570	12
	Radar 2		37349	1
	Radar 3		37350	1
	Meredith II		399	8
	Radar		36765	1
	Tara		571	16
	Midnite		476	20
	Midway		402	18
	Radar 4		37351	1
	Radar 5		37352	1
	Ben		429	6
	Snow		475	8
	Dena		572	4

Longitude : 118° 26' W

Latitude : 49° 06' N

Work Done By: Chinook Construction & Engineering Ltd.

Owners : Chinook Construction & Engineering Ltd.
 Consolidated Boundary Exploration Ltd.

Author : A.M. de Quadros, Ph.D.

Date : July 4, 1979

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT

7621

NO.

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INTRODUCTION

The C.B.C. Joint Venture holds approximately 250 mineral units north of the township of Grand Forks, B.C., 500 kilometres east of Vancouver, B.C. (Fig. 1). The claims lie approximately 110 kilometres north of the Midnight and Sherwood Mines, both major sources of uranium in the State of Washington.

Uranium was first discovered on the property during 1969, and since then a limited amount of trenching, mapping and scintillometric work was conducted, resulting in location of several radiometric anomalous zones. A preliminary metallurgical test by Newmont in 1970 indicated easy recovery of uraninite and molybdenite.

Since acquiring the property in 1977, the C.B.C. Joint Venture has conducted extensive geochemical sampling, geological mapping and radiometric survey over the West Block. The existence of the No. 1 and No. 2 showings in rock outcrop was confirmed and a further major showing (The Kiwi Showing) was discovered, measuring approximately 100 metres by 150 metres. Initial grab-sample assays on the Kiwi range from 0.640 to 0.176% U_3O_8 , averaging 0.37% U_3O_8 (approximately 7 pounds per ton). Several large geochemical anomalies in areas of poor outcrop have also been outlined.

The uranium mineralization occurs in highly metamorphosed and partially melted metasedimentary rocks of the Grand Forks Group heavily intruded by acid igneous rocks of Nelson or Coryell age. In hand specimen it is visible as a light green-yellow coating of secondary autunite, the primary uraninite being generally too fine-grained to be visible with a hand lens. Biotite clots are particularly heavily mineralized. The geological environment is quite similar to that of the deposits in the Province of Ontario and the State of Washington.

During 1978, the exploratory percussion drilling of the main radiometric and geochemical anomalies was conducted, together with geological and radiometric surveys of the East and South-west Blocks. The holes, about 20 metres deep, were probed with a downhole scintilometer to help establish some parameters for vertical continuity. Preliminary radiometry and geology indicate the potential for further Kiwi-type showings; further showings are to be expected in the unexplored parts of this very promising property.

Field work on the Granby Property of the C.B.C. Joint Venture started early in April with the arrival of the project geologist, Mel de Quadros, and the geophysical operator, Clive Ashworth, in Grand Forks. Detailed examination of the showing proceeded smoothly, though with some difficulty due to inclement weather and the poor condition of the access roads during break-up.

The Air-track drill and the D-6D bulldozer were brought to the property during the last week of May and drilling commenced on the 3rd of June. Forty-two holes, totalling about 600 metres (1950 feet) were drilled on the No. 1, No. 2 and Kiwi Showings. Samples of drill cuttings were taken for assay and the holes were probed with a down-hole Geiger-Muller tube. The drilling ended on the 23rd of June and the equipment was returned to Prince George.

The purpose of the ammended Phase II work was an in-depth study of the showings, coupled with such assessment work as was due on the claims needing renewal. This report summarizes the work done and the results obtained from the work.

Equipment and crew have been listed in Appendix 2 and will not be repeated here. The crew was kept on until the 10th of July to finish the reclamation/clean-up work on the property; a burn was conducted in November 1978. The clean-up was approved by the Forest Ranger in Grand Forks.

GEOLOGY AND GEOPHYSICS

Prospecting and mapping of the areas around the showings result in the following observations and conclusions:

1. The principal host rocks for the uranium mineralisation are quartz-rich pegmatites (often with clots of biotite and almandine) that occur within the granites and the biotite-gneisses of the Grand Forks Group.
2. Uranium was concentrated in residual granitic fluids and crystallised as uraninite and possibly some uraniferous refractory minerals, crystallising at approximately the same time as the essential constituents of the pegmatites.
3. Minor amounts of uranium were leached out during erosion, transported short distances and deposited along fractures and joints in the granites and biotite-gneisses as autunite and uranophane. It appears that very little of the uranium in the granites and gneisses is primary.
4. The poor exposures hinder the estimation of dimensions of the pegmatite lenses; most appear to be lenticular. Surface prospecting seems to indicate that there are, however, very many of these small pegmatites; further work is needed to determine if these are numerous and close enough to form ore deposits.
5. Within a given pegmatite, the radioactivity appears to be erratically distributed and generally reaches the highest values in the quartz-lenses and biotite-clots. The erratic distribution may be the result of differential leaching of uranium, in part during the sericitisation of feldspars and in part during weathering.

6. Select samples and chip-samples with values vastly over ore-grade are easily obtainable from outcrop, though chip-samples generally tend to be closer to ore-grade due to dilution by barren rock.

7. Comparison of radiometric and fluorometric assays indicate that there is disequilibrium in the exposures. The actual U_3O_8 content appears to show little correlation with radiometric measurements in exposures; that the correlation improves with depth is, however, indicated by the drilling.

8. Basic geological mapping near the margins of the pegmatites, and especially in the area between the No. 2 and No. 3 showings (where a large number of anomalous pegmatites are exposed) indicates that the pegmatites are concordant with the regional foliation of the gneisses (20 to 40° to the SW). This would result in large areal outcrop of essentially thin layers.

9. Prospecting over the geochemical anomalies was hindered by the very poor outcrop and no definite correlation with the geology was obtained during this programme.

Any further geological work should concentrate on location of shears and pegmatite swarms, where localisation of uranium may result in an ore body. The geology and the mineralogy of the exposures suggest the theoretical models to be followed are the deposits of Bancroft or Rossing; furthermore, the possibility of shear-zone mineralisation such as that of Daybreak Mine, Washington, can not as yet be ruled out.

PHYSICAL WORK

Due to the poor condition of the access roads following break-up, a considerable amount of cat-work was necessary to upgrade the roads and to prevent further erosion, as well as to restore the roads to original condition after usage by company vehicles. An access road, approximately 2 kilometres, was built to obtain access to the No. 1 and the Kiwi showings; this road was built to the standards required by the District Forest Ranger and is shown in Fig. 2. All fallen trees were bucked and the branches were lopped and scattered in compliance with conditions of our free-use permit.

It was found necessary to use the bulldozer more than anticipated during the drilling program due to density of trees and the large number of small but abrupt cliffs which had to be avoided by the percussion drill. All these drill roads were cleaned up after the drilling programme was completed.

Mr. Eric Peterson of the District Ranger's Office visited the property, and apart from one section where he proposed a burn in the late fall, he approved the reclamation work. The burn involved obtaining a permit from the Forest Ranger, and about 2 days work by two men in November 1978, and has since been approved by the Forest Ranger's office in Grand Forks.

DRILLING

A total of 42 percussion holes were drilled on the No. 1, No. 2 and Kiwi Showings; location of these holes are shown on the maps included in this report. The distribution of the holes is as follows:

Holes PH78A -1 to PH78A- 6 No. 1 Showing (Fig. 3)
Holes PH78B -7 to PH78B-24 Kiwi Showing (Fig. 4)
Holes PH78C -25 to PH78C-42 No. 2 Showing (Fig. 5)

These holes were vertical and approximately 15 metres deep; cuttings were collected every 1.5 metres and rough geological logs were prepared from the cuttings. The holes were also logged with a down-hole G.M. probe; the radioactivity was recorded on a chart-recorder. Subsequently, the cuttings were grouped on the basis of radioactivity and sent to Chemex Labs for assay. A 2" x 4" stud, 4 feet high, was marked with a drill-hole number and placed in each hole collar.

The results, both radiometric and analytical, are rather disappointing, the mineralization appears to show little continuity either vertically or horizontally (Appendix 1). The results may be summarized as follows:

1) The best intersections are:

Hole 78A-4	0 - 1.5 m	0.024%	U ₃ O ₈
	1.5 - 3.0 m	0.034%	"
	3.0 - 4.5 m	0.033%	"

Hole 78A-5	0 - 1.5 m	0.036% U ₃ O ₈
	1.5 - 3.0 m	0.032%
	3.0 - 4.5 m	0.017%
	4.5 - 6.0 m	0.020%
Hole 78B-19	0 - 1.5 m	0.012%
	1.5 - 3.0 m	0.057%
Hole 78C-26	0 - 1.5 m	0.012%
	1.5 - 3.0 m	0.047%
	3.0 - 4.5 m	0.049%
	4.5 - 7.5 m	0.034%
	7.5 - 9.0 m	0.061%

Much of the other holes are significantly lower than the above values, generally ranging from below 0.001% to 0.01% U₃O₈.

- 2) The distribution of uranium values appears to be erratic; examination of the drill cuttings show rapid alternation of biotite gneisses and pegmatitic rocks, and strong localization of uranium mineralization within the pegmatite lenses.
- 3) Examination of the pegmatitic rocks indicates that it is the quartz-rich lenses that contain the uranium; cuttings that show no quartz are very seldom radioactive. The distribution of quartz within these pegmatites is erratic and many pegmatites appear to contain little or no free quartz.

- 4) The pegmatites appear to be flat-lying, generally concordant with the biotite-gneisses and schists. Though some of these outcrop over large areas, they are seldom over 1.5 to 2.0 metres thick, and unfortunately, not close enough to produce extensive thicknesses.
- 5) Radon emanations from these holes vary considerably and do not correlate well with the down-hole logs and drill cuttings. Radon readings with the Scintrex ETR-1 Emanometer gives the following values:

Range : 1 to 1000 emans
Average : 99 emans
Standard deviation: \pm 226 emans

The following holes may be considered anomalous:

No. 1	78A-5	200 emans
Kiwi	78B-8	250 emans
	78B-19	1000 emans
	78B-21	230 emans
	78B-23	180 emans
No. 2	78C-28	900 emans
	78C-29	310 emans
	78C-30	620 emans
	78C-37	150 emans

Of the rest, 29 holes give values below 20 emans and only the above 9 holes exceed 100 emans.

- 6) Most of the holes were dry when first drilled, water generally being encountered in the last 2 to 3 metres. However, most filled up with ground water to within 5 metres from the surface within 48 hours. It is probable that none of the holes reached below the permanent water-table and hence no conclusions can be drawn regarding the presence or absence of a secondarily enriched zone below the water-table. The sections drilled through may be leached and the uranium values obtained may represent the remnant uranium only.

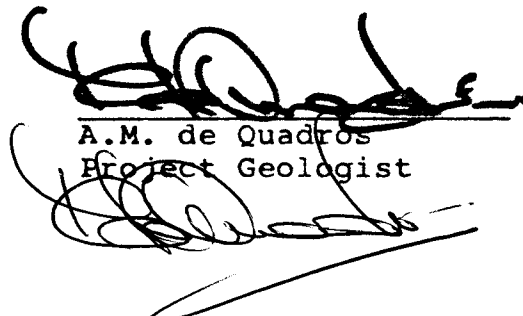
- 7) Drilling of the shear zone in No. 2 Showing proved very little uranium; however, again the values obtained may be low due to leaching.

CONCLUSIONS

Results obtained during the course of drilling are very disappointing, emphasizing the generally low values and lenticularity of the uranium mineralization. None of the logged or assayed values approached the high values obtained from outcrop, and seldom reached ore grade.

However, due to the limited extent of the drilling programme both in area and depth, the results must be categorized as insufficient to dismiss the property as a potential ore deposit. The property shows a great deal of promise and further work is considered necessary in order to prove or disprove the existence of an ore body.

Respectfully Submitted



A.M. de Quadros
Project Geologist

APPENDIX 1

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78A-1
 Date 3 JUNE 1978
 Logged by MEL DE QUADRO

Coord. 27.25 N
3.00 W
 Elev. 3740'
 Hole Size 2 1/2"
 Length 50'
 Azimuth -
 Dip VERTICAL
 Project GRAND FORKS PROPERTY
 Location NO. 1 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	U.G.
0'	5'	pegmatite				
	10'	pegmatite	0	10'	0.001	
	25'	pegmatite				
	20'	pegmatite + schist	10	20	0.001	
	25'	pegmatite + schist				
	30'	pegmatite	20	30	0.001	
	35'	pegmatite				
	40'	pegmatite	30	40	<0.001	
	45'	pegmatite				
	50'	bo - gneiss	40	50	<0.001	

NOTES: 1) Holes logged
 a) radiometric with down hole probe,
 b) geologically from cuttings,
 c) fluorometric assays from cuttings.

2) RADON COUNT FROM HOLE - 5 emans
 with Scintrex Emanometer.

3) No water

CBC JOINT VENTURE

DRILL RECORD — Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78A-2
 Date 5 June 1978
 Logged by Melde Quadri

Coord. 27.00 N
3.00 W
 Elev. 3740'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location NO. 1 SHOWING
 Purpose Exploration

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₂ O ₈
0	5	pegmatite				
	10	pegmatite	0	10	<0.001	
	15	pegmatite				
	20	pegmatite	10	20	<0.001	
	25	pegmatite				
	30	biotite gneiss	20	30	<0.001	
	35	biotite gneiss				
	40	biotite gneiss	30	40	<0.001	
	45	biotite gneiss				
	50	biotite gneiss	40	50	<0.001	
NOTES: NO WATER						
: RADON 4 EMANS						

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
Hole No. PH 78A-4
Date 6 JUNE 1978
Logged by M. de QUADROS

Coord. 27.25 N
3.25 W
Elev. 3730'
Pipe Size 2 1/2"

Length 50'
Azimuth -
Dip Vertical

Project GRAND FORKS PROPERTY
Location NO. 1 SHOWING
Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY				
FROM	TO			FROM	TO	g/g		
0	5	pegmatite						
	10	pegmatite						
	15	pegmatite						
	20	pegmatite						
	25	pegmatite						
	30	pegmatite						
	35	biotite gneiss	wet					
	40	biotite gneiss	wet					
	45	biotite gneiss	wet					
	50	biotite gneiss	wet					
			NOTES: WATER AT 30'					
			RADON	12	EMANS			

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78A-5
 Date 6 JUNE 1978
 Logged by M. de Quadrio

Coord. 27.50N
3.25W
 Elev. 3730'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location NO 1 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₃₀₈
0	5	pegmatite	0	5	0.036	
	10	pegmatite	5	10	0.032	
	15	pegmatite	10	15	0.017	
	20	pegmatite + gneiss	15	20	0.020	
	25	biotite gneiss				
	30	biotite gneiss	20	30	0.005	
	35	biotite gneiss				
	40	biotite gneiss	30	40	0.003	
	45	biotite gneiss				
	50	biotite gneiss	40	50	0.002	
NOTES : WATER AT 15'						
RADON 200 EMANS - ANOMALOUS						

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78A-6
 Date 15 JUNE 1978
 Logged by M. deQuadro

Coord. 27.00 N
3.00 W
 Elev. 3720'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location NO 1 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₂₃₈
0	5	biotite gneiss				
	10	biotite gneiss	0	10	0.001	
	15	pegmatite	10	15	0.003	
	20	biotite gneiss				
	25	biotite gneiss	15	25	0.002	
	30	biotite gneiss				
	35	biotite gneiss	25	35	0.002	
	40	biotite gneiss				
	45	biotite gneiss				
	50	biotite gneiss	35	50	0.001	
NOTES : NO WATER RADON 6 EMANS						

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION

Hole No. PH78 B-7

Date 7 JUNE 1978

Logged by M. DE QUADROS

Coord. 34.25 N

8.50 W

Length 70'

Project GRAND FORKS PROPERTY

Elev. 3680'

Azimuth -

Location KIWI SHOWING

Pipe Size 2 1/2"

Dip Vertical

Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	CORRECTION	
OM	TO			FROM	TO
0	5	pegmatite	0	5	0.004
	10	pegmatite			
	15	pegmatite	5	15	<0.001
	20	pegmatite			
	25	pegmatite + gneiss	15	25	0.002
	30	biotite gneiss			
	35	biotite gneiss	25	35	<0.001
	40	biotite gneiss			
	45	biotite gneiss	35	45	<0.001
	50	biotite gneiss	45	50	0.011
	55	biotite gneiss			
	60	biotite gneiss	50	60	<0.001
	65	biotite gneiss			
	70	biotite gneiss	60	70	<0.001
			NOTES: WATER AT 60'		
			RADON 5 EMANS		

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Coord. 34.25 N
8.75 W
 Elev. 3690'
 Hole Size 2 1/2"

Length 70'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

Type PERCUSSION
 Hole No. PH 788-8
 Date 7 JUNE 1978
 Logged by M. deQuadros

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
OM	TO			FROM	TO	% U ₂ O ₈
0	5	pegmatite	0	5	0.001	
	10	pegmatite	5	10	0.006	
	15	pegmatite	10	15	0.010	
	20	pegmatite + gneiss?				
	25	pegmatite	15	25	0.004	
	30	pegmatite				
	35	pegmatite	25	35	0.006	
	40	pegmatite				
	45	pegmatite	35	45	0.004	
	50	pegmatite				
	55	pegmatite + gneiss?	45	55	0.007	
	60	pegmatite + gneiss				
	65	pegmatite + gneiss				
	70	pegmatite + gneiss	55	70	0.005	
NOTES : NO WATER						
: RADON 250 EMANS						

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 788-9
 Date 7 JUNE 1978
 Logged by M. de Quadros

Coord. 34.50 N
8.75 W
 Elev. 3690'
 Hole Size 2 1/2"

Length 60'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	LOGGERS' RECORD		
FROM	TO			DATE	TIME	REMARKS
0	5	Overburden				
	10	biotite gneiss				
	15	biotite gneiss				
	20	biotite gneiss				
	25	biotite gneiss				
	30	biotite gneiss				
	35	biotite gneiss				
	40	biotite gneiss				
	45	biotite gneiss				
	50	biotite gneiss				
	55	biotite gneiss				
	60	biotite gneiss				
NOTES :			NO WATER			
			: RADON 8 EMANS			
			: RADIOMETRIC LOGGING FLAT - NO ASSAYS			

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78 B-10
 Date 8 JUNE 1978
 Logged by M. de Quadros

Coord. 34.75 N
9.00 W
 Elev. 3700'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM		TO	
FROM	TO						
0	5	pegmatite					
	10	biotite gneiss					
	15	biotite gneiss					
	20	biotite gneiss					
	25	biotite gneiss					
	30	biotite gneiss					
	35	biotite gneiss					
	40	biotite gneiss					
	45	biotite gneiss					
	50	biotite gneiss					
	55	pegmatite ?					
	60	biotite gneiss					
	65	biotite gneiss					
NOTES : NO WATER							
: RADON 20 EMANS							
: RADIOMETRIC LOG FLAT ~ NO ASSAYS.							

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 8 B-12
 Date 9 JUNE 1978
 Logged by M. de Quaker

Coord. 35.00 N
9.25 W Length 50' Project GRAND FORKS PROPERTY
 Elev. 3630' Azimuth - Location KIWI SHOWING
 Hole Size 2 1/2" Dip Vertical Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
OM	TO			FROM	TO	%U ₂ O ₈
0	5	pegmatite				
	10	pegmatite	0	10	0.003	
	15	pegmatite				
	20	biotite gneiss	10	20	0.006	
	25	biotite gneiss				
	30	pegmatite + gneiss?	20	30	0.002	
	35	biotite gneiss				
	40	biotite gneiss				
	45	biotite gneiss				
	50	biotite gneiss				
			NOTES : WATER AT 30'			
			: RADON 6 EMANS			

CBE JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Coord. 34.00 N
10.50 W
 Elev. 3790'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

Type PERCUSSION
 Hole No. DH 78 B-13
 Date 9 JUNE 1978
 Logged by M de Quadros

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
FROM	TO			FROM	TO	% U ₂ O ₈
0	5	biotite gneiss				
	10	"				
	15	"				
	20	"				
	25	"				
	30	"				
	35	"				
	40	"				
	45	"				
	50	"				
			NOTES : NO WATER			
			: RADON 12EMANS			
			: RADIOMETRIC LOG FLAT			

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 488-14
 Date 9 JUNE 1978
 Logged by AA de Quadros

Coord. 33.80N
10.50W
 Elev. 3830'
 Core Size 2 1/2"

Length 30'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
FROM	TO			FROM	TO	%U ₂ O ₈
0	5	biotite gneiss				
	10	" "				
	15	" "				
	20	" "				
	25	" "				
	30	" "		15	25 0.001	
	35	" "				
	40	" "				
	45	" "				
	50	" "				
			NOTES: NO WATER			
			: RADON NO READING			
			: RADIO METRIC LOG FLAT - #			

PBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78B-15
 Date 9 JUNE 1978
 Logged by M. de QUADRE

Coord. 34.25 N
10.50 W
 Elev. 3800'
 Hole Size 2 1/2"

Length 60'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
FROM	TO			FROM	TO	% U ₂ O ₈
0	5	biotite quartz				
	10	" "				
	15	" "				
	20	" "				
	25	" + pyrrhotite?				
	30	" + pyrrhotite?				
	35	" "				
	40	" "				
	45	" "				
	50	" "				
			NOTES: NO WATER			
			: RADON 4 EMANS			
			: RADIOMETRIC LOG FLAT			

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78 B-16
 Date 9 JUNE 1978
 Logged by M. de Quadros

Coord. 34.50 N
10.25 W
 Elev. 3790'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	CORRECTIONS	
FROM	TO			FROM	TO
0	5	biotite gneiss			
	10	" "			
	15	" "			
	20	" "			
	25	" "			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
			NOTES : NO WATER		
			: RADON 2 EMANS		
			: RADIOMETRIC LOG FLAT - NO ASSAYS		

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Coord. 34.75 N
9.00 W
 Elev. 3700'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

Type PERCUSSION
 Hole No. PH 78B-17
 Date 12 JUNE 1978
 Logged by M. de Quadros

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
OM	TO			FROM	TO	% U ₂₃₈ P ₂₃₂
0	5	pegmatite				
	10	pegmatite				
	15	pegmatite				
	20	pegmatite				
	25	pegmatite				
	30	pegmatite				
	35	biotite gneiss				
	40	biotite gneiss				
	45	biotite gneiss				
	50	biotite gneiss				
NOTES : NO WATER						
: RADON 44 EMANS						
: RADIOMETRIC LOG MOSTLY FLAT						

PBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 788-18
 Date 12 JUNE 1978
 Logged by M. deQuadros

Coord. 35.00N
9.00W
 Elev. 3690'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROJECT
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	biotite gneiss			
	10	" "			
	15	" "			
	20	" "			
	25	" "			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
			NOTES: NO WATER		
			: RADON 4 EMANS		
			: RADIOMETRIC LOG FLAT - NO ASSAYS		

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78B-19
 Date 12 JUNE 1978
 Logged by M. de Quadra

Coord. 34.62N
8.75W
 Elev. 3700'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
FROM	TO			FROM	TO	g U ₂ O ₈
0	5	pinkish quartz				
	10	biotite gneiss				
	15	" "				
	20	" "				
	25	" "				
	30	" "				
	35	" "				
	40	" + pegmatite				
	45	" + pegmatite				
	50	" "				
			NOTES: NO WATER			
			: RADON 1000 EMANS - HIGHEST VALUE			
			: RADIOMETRIC LOG FLAT BELOW 15'			

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. 488-20
 Date 13 JUNE 1978
 Logged by M. de Quadros

Coord. 34.25N
8.25W
 Elev. 3680'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION		
FROM	TO			FROM	TO
0	5	pegmatite			
	10	"			
	15	"			
	20	"			
	25	"			
	30	"			
	35	biotite gneiss			
	40	" "			
	45	" "			
	50	" "			
NOTES: NO WATER : RADON 3 EMANS : RADIOMETRIC LOG FLAT - NO ASSAYS					

RBE JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. MYRB-21
 Date 13 JUNE 1978
 Logged by M. de Quadros

Coord. 34.12 N.
9.35 W
 Elev. 3680'
 Hole Size 2 1/2"

Length 50
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₂ O ₈
0	5	biolite quartz				
	10	" "				
	15	" "				
	20	" "				
	25	" "				
	30	" "				
	35	" "				
	40	" "				
	45	" "				
	50	" "				
NOTES : NO WATER : RADON 230 EMANS - ANOMALOUS : RADIOMETRIC LOG FLAT						

CBE JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78 B-22
 Date 13 JUNE 1978
 Logged by M de Quadros

Coord. 3400 N
8.25W
 Elev. 3660'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
FROM	TO			FROM	TO	% U3O8
0	5	pegmatite				
	10	pegmatite				
	15	pegmatite				
	20	pegmatite				
	25	pegmatite	10	20	0.001	
	30	biotite gneiss	20	30	0.002	
	35	pegmatite	30	35	0.003	
	40	biotite gneiss				
	45	biotite gneiss				
	50	biotite gneiss				
NOTES: NO WATER : RADON TEMANS : RADIOMETRIC LOG QUITE FLAT						

CBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Coord. 34.00 N
8.05W
 Elev. 3660
 Hole Size _____

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location KIWI SHOWING
 Purpose EXPLORATION

Type Percussion
 Hole No. DH 788-23
 Date June 13 1978
 Logged by M. de Quadio

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₃₀₈
0	5	pegmatite				
	10	pegmatite		5	100.00%	
	15	pegmatite				
	20	pegmatite				
	25	biotite gneiss	wet			
	30	"	"			
	35	"	"			
	40	no cuttings	"			
	45	"	"			
	50	"	"			
NOTES : WATER AT 20 feet : RADON 180 EMANS - ANOMALOUS : RADIOMETRIC LOG FLAT						

RBC JOINT VENTURE

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type Percussion
 Hole No. PH 48 B-24
 Date 13 June 1978
 Logged by M. de Quadros

Coord. _____

Length 50'

Project GRAND FORKS PROPERTY

Elev. 3650'

Azimuth -

Location KIWI SHOWING

Core Size 2 1/2"

Dip Vertical

Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION		
FROM	TO			FROM	TO
0	5	pegmatite			
	10	pegmatite			
	15	gneiss			
	20	"			
	25	"			
	30	"			
	35	"			
	40	"			
	45	"			
	50	"			
<p>NOTES : NO WATER</p> <p style="margin-left: 100px;">: RADON GEMANS</p> <p style="margin-left: 100px;">: RADIOMETRIC LOG FLAT - NO ASSAYS</p>					

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type Percussion
 Hole No. PH78C-25
 Date 20 JUNE 1978
 Logged by M de Quadras

Coord. 33.25 N
1.50 E
 Elev. 3835'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location ~~XXXX~~ NO. 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	U ₃₀₈ %
0	5	pegmatite	0	5	0.013	
	10	pegmatite				
	15	pegmatite				
	20	biotite gneiss	5	15	0.004	
	25	" "				
	30	" "				
	35	" "				
	40	" "				
	45	" "				
	50	" "				
NOTES: NO WATER						
RADON 2 EMANS						
RADIOMETRIC LOG MINOR PEAK 0-5'						

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type Percussion
 Hole No. PH78C-26
 Date 21 JUNE 1978
 Logged by M de Quadros

Coord. 33.25N
1.25E
 Elev. 38201
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROJECT
 Location NO. 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	U ₃₀₈ %
0	5	pegmatite	0	5	0.012	
	10	"	5	10	0.047	
	15	"	10	15	0.049	
	20	"				
	25	"				
	30	"				
	35	"	25	35	0.034	
	40	"	35	40	0.061	
	45	biotite gneiss				
	50	" "				
<p>NOTES: NO WATER</p> <p>RADON. 3 EMANS</p> <p>RADIOMETRIC LOG INDICATES GRADES</p> <p>AVERAGE OF 0.06% FROM 0-40!</p>						

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type Percussion
 Hole No. PH78C-27
 Date 21 JUNE 1978
 Logged by Mel de Quad

Coord. 33.50N
1.50E
 Elev. 3840'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip Vertical

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION		
FROM	TO			FROM	TO
0	5	pegmatite			
	10	pegmatite			
	15	pegmatite			
	20	pegmatite/gneiss			
	25	biotite gneiss			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
			NOTES : NO WATER		
			RADON 32 EMANS		
			RADIO METRIC LOG FLAT		

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. DH78C-28
 Date 21 JUNE 1978
 Logged by M de Quadros

Coord. _____
 Elev. 3820'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	CORRECTIONS		
FROM	TO			FROM	TO	
0	5	pegmatite				
	10	pegmatite/gneiss		0	10	0.004
	15	" "				
	20	biotite gneiss				
	25	" "				
	30	" "				
	35	" "				
	40	pegmatite/gneiss				
	45	pegmatite				
	50	pegmatite				
NOTES: WATER AT 40'						
RADON 900 GMANS - ANOMALOUS						
RADIO METRIC LOG PLAT.						

Coord. _____

Elev. 3825'

Core Size 2 1/2"

DRILL RECORD— Chinook Const. & Engineering Ltd.

Length 50'

Azimuth -

Dip VERTICAL

Project GRAND FORKS PROGRAM

Location NO 2 SHOWING

Purpose EXPLORATION

Type PERCUSSION
Hole No. PH78C-29
Date 21 JUN 1978
Logged by M deQUADROS

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAYS		
FROM	TO			FROM	TO	U ₂₃₈ P ₂₃₂ %
0	5	pegmatite	0	5	0.003	
	10	"	5	10	0.001	
	15	"	10	15	0.001	
	20	"	15	20	0.001	
	25	"	20	25	0.003	
	30	"	25	30	0.010	
	35	"	30	35	0.012	
	40	"	35	40	0.003	
	45	"				
	50	"				
			NOTES: NO WATER			
			RADON 310 GMANS ANOMALOUS			
			RADIOMETRIC LOG LOOKS INTERESTING			

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PM8C-30
 Date 21 JUNE 1978
 Logged by M de Quadros

Coord. 32.50 N
1.75 E
 Elev. 3800'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	CORRECTIONS	
FROM	TO			FROM	TO
0	5	pegmatite			
	10	"			
	15	"			
	20	"			
	25	"			
	30	"			
	35	"			
	40	"			
	45	"			
	50	"			
NOTES: NO WATER					
RADON 620 EMANS ANOMALOUS					
RADIOMETRIC LOG FLAT					

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78C-31
 Date 21 JUNE 1978
 Logged by M de Quadros

Coord. 32.75N
1.7SE
 Elev. 3810'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	biotite gneiss			
	10	" "			
	15	" "			
	20	" "			
	25	" "			
	30	" "			
	35	pegmatite/gneiss			
	40	pegmatite			
	45	biotite gneiss			
	50	" "			
			NOTES: NO WATER		
			RADON 18 EMANS		
			RADIOMETRIC LOG FLAT		

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78C-32
 Date 22 JUNE 1978
 Logged by M de Quadros

Coord. 33.50N
1.25E
 Elev. 3805'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₃₀₈
0	5	overburden / gneiss	0	5	<0.001	
	10	gneiss / pegmatite	5	10	0.006	
	15	gneiss	-	-	-	
	20	"	15	20	<0.001	
	25	"				
	30	"				
	35	"	30	35	<0.001	
	40	"				
	45	"				
	50	"				
		pegmatite?				
		pegmatite?				
		NOTES: NOWATER				
		RADON				
		46MANS				
		RADIOMETRIC LOG ~ MINOR PEAKS				

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78C-33
 Date 22 JUNE 1978
 Logged by M de Quadros

Coord. 33.75N
1.25E
 Elev. 3810'
 Hole Size 2 1/2"

Length 50'
 Azimuth —
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₃ O ₈
0	5	overburden				
	10	pegmatite/gneiss				
	15	" "				
	20	biotite gneiss				
	25	" "				
	30	" "				
	35	" "				
	40	" "				
	45	" "				
	50	" "				
			NOTES: NO WATER AT 15'			
			RADON 5 GMANS			
			RADIOMETRIC LOG PLAT			

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78C-34
 Date 22 JUNE 1978
 Logged by M de Quadros

Coord. 34.00N
1.25E
 Elev. 3800'
 Hole Size 2 1/2"

Length 50'
 Azimuth —
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	%U ₃ O ₈
0	5	overburden/pegmatite	0	5	0.002	
	10	pegmatite				
	15	pegmatite/gneiss				
	20	" "				
	25	" "				
	30	" "				
	35	" "				
	40	" "	35	40	0.001	
	45	" "				
	50	gneiss				

NOTES: NO WATER

RADON 3 EMANS

RADIOMETRIC LOG — MINOR PEAKS

Coord. 33.25 N
1.25 E
 Elev. 3810'
 Hole Size 2 1/2"

DRILL RECORD— Chinook Const. & Engineering Ltd.

Length 50' Project GRAND FORKS PROPERTY
 Azimuth - Location NO 2 SHOWING
 Dip VERTICAL Purpose EXPLORATION

Type PERCUSSION
 Hole No. PH 76C-35
 Date 22 JUNE 1978
 Logged by M de Quadras

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	overburden / gneiss			
	10	biotite gneiss			
	15	" "			
	20	" "			
	25	" "			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
			NOTES: NO WATER		
			RADON 16 EMANS		
			RADIOMETRIC LOG PLAT		

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. DHYPC-36
 Date 22 JUNE 1978
 Logged by M de Quadros

Coord. 33.70N
1.30E
 Elev. 3830'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	b. overburden			
	10	biotite gneiss			
	15	" "			
	20	" "			
	23	" "			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
NOTES:			NO WATER		
			RADON 1 EMAN.		
			RADIOMETRIC LOG FLAT		

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH 78C-37
 Date 22 JUNE 1978
 Logged by M de QUADROS

Coord. 33.00 N
1.65 E
 Elev. 3840'
 Hole Size 2 1/2"

Length 50'
 Azimuth —
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO. 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	overburden			
	10	biotite gneiss			
	15	" "			
	20	" "			
	25	" "			
	30	" "			
	35	" "	wet		
	40	" "	"		
	45	" "	"		
	50	" "	"		
NOTES: WATER AT 30' : RADON 150 EMANS : RADIOMETRIC LOG PLAT					

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PHYRC-38
 Date 23 JUNE 1978
 Logged by M de Quadros

Coord. 33.75 N
1-50 E
 Elev. 3830'
 Hole Size 2 1/4"

Length 50'
 Azimuth —
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	overburden			
	10	overburden/gneiss			
	15	biotite gneiss	pegmatite?		
	20	" "			
	25	" "			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
			NOTES: NO WATER		
			: RADON 13 EMANS		
			: RADIOMETRIC LOG FLAT		

Coord. 3400 N
1.25 E
 Elev. 3820'
 Hole Size 2 1/2"

DRILL RECORD— Chinook Const. & Engineering Ltd.

Length 50' Project GRAND FORKS PROPERTY
 Azimuth - Location NO 2 SHOWING
 Dip VERTICAL Purpose EXPLORATION

Type PERCUSSION
 Hole No. DH 48C-39
 Date 23 JUNE 1978
 Logged by M de Quadros

FOOTAGE		ROCK TYPE	DESCRIPTION	ASSAY		
FROM	TO			FROM	TO	% U ₂₃₈
0	5	overburden				
	10	"				
	15	pegmatite	10	15	0.001	
	20	"			0.009	
	25	pegmatite/gneiss				
	30	pegmatite	25	30	0.001	
	35	"				
	40	"	35	40	0.001	
	45	"	40	45	0.005	
	50	gneiss				
			NOTES: NO WATER			
			: RADON 5 EMANS			
			: RADIOMETRIC LOG - MINOR PEAKS			

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78C-40
 Date 23 JUNE 1978
 Logged by M de Quadras

Coord. 34.25N
1.25E
 Elev. 3815'
 Core Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	gneiss			
	10	"			
	15	"			
	20	pegmatite			
	25	"			
	30	"			
	35	gneiss			
	40	gneiss			
	45	gneiss			
	50	gneiss			
NOTES :			NO WATER		
			RADON	2	EMANS
			RADIOMETRIC LOG	FLAT	

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PHYEC-01
 Date 23 JUNE 1978
 Logged by M de Quadras

Coord. 34.50 N
1.25 E
 Elev. 3810'
 Hole Size 2 1/2"

Length 50'
 Azimuth -
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO. 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
OM	TO				
0	5	biotite gneiss			
	10	" "			
	15	" "			
	20	" "			
	25	" "			
	30	" "			
	35	" "			
	40	" "			
	45	" "			
	50	" "			
			NOTES: NO WATER		
			: RADON 1 G MAN		
			: RADIOMETRIC LOG FLAT		

DRILL RECORD— Chinook Const. & Engineering Ltd.

Type PERCUSSION
 Hole No. PH78C-42
 Date 23 JUNE 1978
 Logged by M de QUADROS

Coord. 34.00N
1.50E
 Elev. 3830'
 Core Size 2 1/2"

Length 50'
 Azimuth —
 Dip VERTICAL

Project GRAND FORKS PROPERTY
 Location NO 2 SHOWING
 Purpose EXPLORATION

FOOTAGE		ROCK TYPE	DESCRIPTION	FROM	TO
FROM	TO				
0	5	gneiss / pegmatite			
	10	" "			
	15	" "			
	20	pegmatite			
	25	" "			
	30	" "			
	35	" "			
	40	gneiss / pegmatite	wet		
	45	biotite gneiss	wet		
	50	" "	wet		
			NOTES ; WATER AT 35'		
			RADON IEMAN		
			RADIOMETRIC LOG PLAT		

APPENDIX 2

TABLE 1: STATEMENT OF COSTS

TOTAL EXPENDITURE BREAKDOWN - GRAND FORKS PROJECT MARCH 1-JULY 31, 1978

	<u>March/78</u>	<u>April/78</u>	<u>May/78</u>	<u>June/78</u>	<u>July/78</u>	<u>Totals</u>
<u>EXPLORATION</u>						
Geochemical	\$	\$ 58.	\$ 186.	\$ 2,005.	\$ 762.	\$ 3,011.
Geological				2,358.		2,358.
Geophysical		1,519.	2,461.	801.	714.	5,495.
Drilling						
Trenching						
Surveying	380.	1,015.	2,139.	1,031.	348.	4,913.
Line Cutting			3,239.			3,239.
Percussion Drilling			8,085.	4,474.	1,262.	13,821.
Road Preparation			1,254.	17,666.	9,397.	28,317.
Site Preparation				680.		680.
TOTAL	<u>\$ 380</u>	<u>\$2,592.</u>	<u>\$17,364</u>	<u>\$29,015.</u>	<u>\$12,483.</u>	<u>\$61,834.</u>
<u>INDIRECT COSTS</u>						
Maintenance		311.	1,606.	2,516.	1,417.	5,850.
Supervision	3,181.	2,816.	6,991.	6,499.	4,643.	24,130.
Move-in-out Costs		419.	2,440.	6.	1,381.	4,246.
Accomodation		1,855.	1,213.	7,253.	1,967.	12,288.
Employee Travel	349.			565.	95.	1,009.
Misc. Haul & Freight	42.					42.
Overhead	650.	1,823.		5,853.	8,853.	17,179.
Fees & Assessments				2,107.		2,107.
Insurance & Taxes						
Payroll Additives		205.	613.	1,396.	701.	2,915.
TOTAL	<u>\$4,222.</u>	<u>\$7,429.</u>	<u>\$12,863.</u>	<u>\$26,195.</u>	<u>\$19,057.</u>	<u>\$ 69,766.</u>
JOB TOTAL	<u>\$6,602.</u>	<u>\$10,021.</u>	<u>\$30,227.</u>	<u>\$55,210.</u>	<u>\$31,540.</u>	<u>\$131,600.</u>

TABLE 2
PERSONNEL & WAGE RECORD

Mel de Quadros, Project Geologist
 March 1st - August 31st, 1978

@ \$1800./Mo.

March 1-30	1,800.00
April 1-30	1,800.00
May 1-31	1,800.00
June 1-30	1,800.00
July 1-31	1,800.00
August 1-31	1,800.00

Clive Ashworth, Senior Field Assistant
 April 1st - July 22nd, 1978

@ \$70.00/Day

April 2-15	910.00
April 16-29	700.00
April 30-May 13	700.00
May 14-May 27	630.00
May 28-June 10	700.00
June 11-June 24	700.00
June 25-July 8	700.00
July 9-July 22	873.32

Grant Schorn, Field Assistant
 May 1st - July 22nd, 1978

@ \$60.00/Day

April 30-May 13	600.00
May 14-May 27	600.00
May 28-June 10	600.00
June 11-June 24	600.00
June 25-July 8	600.00
July 9-July 22	669.90

Ed Gauthier, Construction Supervisor
 May 15-July 15, 1978

@ \$2000.00/Mo.

May 14-May 27	2,000.00
June 25-July 8	2,000.00

Frank Black, Cat Skinner

May 23rd-June 16th @\$11.53/Hour

May 14-May 27	438.16
May 28-June 10	1129.95
June 11-June 24	691.80

.....Continued

Table 2 - Personnel & Wage Record, Cont'd.

Mel Carlson, driller
May 24th-July 5th, 1978 @\$11.30/Hour
May 14-May 27 474.60
May 28-June 10 1107.40
June 11-June 24 1011.35
June 25-July 8 1108.53

Brent Schorn, driller's helper
May 20th - July 22, 1978
@ \$10.57/Hour
May 14-May 27 381.68
May 28-June 10 1035.87
June 11-June 24 895.03
June 25-July 8 610.26
July 9-July 22 861.13

TOTAL WAGES \$34,328.98

Plus 15% Fringe Benefits 5,299.34

GROSS TOTAL \$39,628.32

Board @ \$17.00 per man day for
387 man days 6,579.00

Room billed by Johnny's Motor Court
Grand Forks for employee accomodation 9,620.29

TOTAL EXPENDITURE FOR EMPLOYEES \$55,827.61



TABLE 3 : EQUIPMENT RECORD
 EQUIPMENT RENTAL MARCH 1st-AUGUST 31st, 1978
 GRAND FORKS PROJECT

<u>A)</u> <u>INSTRUMENTS</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	<u>1/2 MO.</u> <u>JULY</u>	<u>AUGUST</u>
Base magnetometer		350.	350.	350.	175.	
Proton magnetometer		140.	140.	140.	70.	
Radon emanometer		220.	220.	220.	110.	
GIS-4 Scintrex Scintillometer		80.	80.	80.	40.	
" " " "		80.	80.	80.	40.	
GAD-1 " " "		200.	200.	200.	100.	
<u>B)</u> <u>TRUCKS</u>						
Ford 4x4 3/4 ton pick-up	460.	460.	460.	460.	460.	
Ford 4x4 3/4 ton crew-cab			180.	460.	230.	
" " " " " "			240.	460.	230.	
" " " " " "			240.	460.	230.	
<u>C)</u> <u>Heavy Equipment</u>						
Compressor (\$20./Shift)			140.	460.		
Airtrac drill (\$20./Shift)			140.	460.		
Bulldozer Caterpillar D6 (\$44./Hour)			8085.	8085.		
TOTAL	<u>460.</u>	<u>1530.</u>	<u>10555.</u>	<u>11915.</u>	<u>1685.</u>	GRAND TOTAL <u>\$26,145.00</u>

APPENDIX 3

APPENDIX 3
ALLOCATION OF ASSESSMENT WORK

<u>RED GROUP</u>	<u>UNITS</u>	<u>GOOD TO</u>	<u>STAKING YEAR</u>	<u>ASSESSMENT APPLIED</u>	<u>TO</u>
Hot	8	02/07/81	1976	1600	1982
Sun	6	02/07/81	1976	1200	1982
Deb	12	09/11/81	1976	2400	1982
Radar 2	1	26/08/83	1974	200	1984
Radar 3	1	26/08/83	1974	200	1984
Meredith II	<u>8</u>	02/07/81	1976	<u>1600</u>	1982
	36			7200	

GREEN GROUP

Radar	1	10/09/83	1973	200	1984
Tara	16	09/11/80	1976	3200	1981
Midnite	<u>20</u>	23/08/79	1976	<u>8000</u>	1981
	37			11400	

YELLOW GROUP

Midway	18	02/06/81	1976	1600	1982
Radar 4	1	26/08/83	1974	200	1984
Radar 5	1	26/08/83	1974	200	1984
Ben	6	13/07/81	1976	1200	1982
Dena	4	09/11/79	1976	1600	1981
Snow	<u>8</u>	23/08/79	1976	<u>3200</u>	1981
	38			8000	

Total Assessment Applied

\$26,600.00

Job Total (Appendix 2)

\$131,600.00

To P.A.C. Account

Chinook Construction & Engineering Ltd.
 and Consolidated Boundary Exploration

\$104,620.00

APPENDIX 3

STATEMENT OF QUALIFICATIONS

I, Antonio M. de Quadros, certify that:

a) I hold the following degrees in Geology:

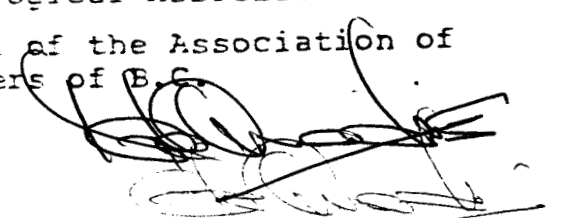
B.Sc. Hons.	University of London	1964
M.S.	U.C.L.A.	1968
Ph. D.	University of Nairobi	1972

b) I have worked on geological project since 1959, including:

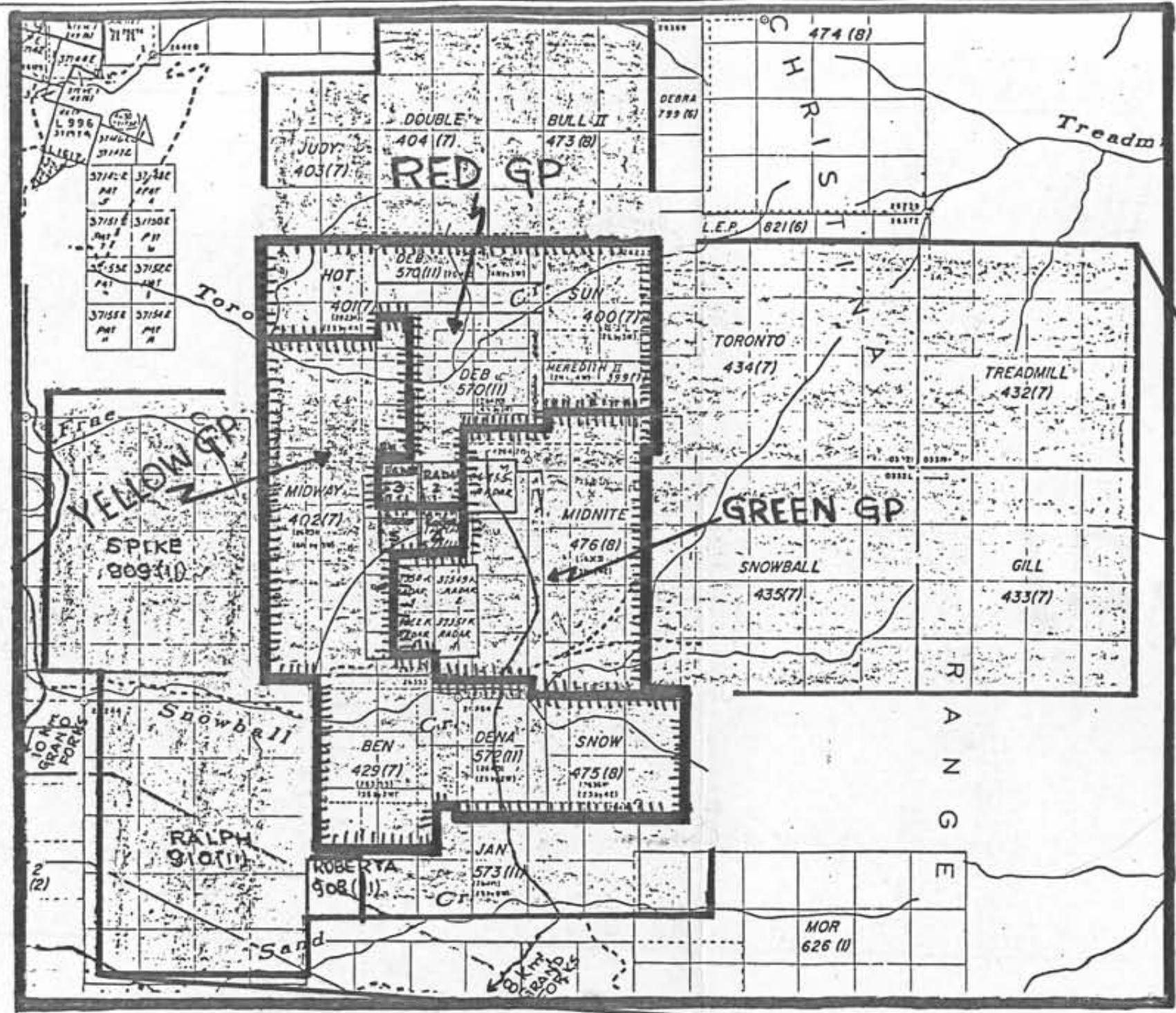
- i 1964-1965 Geologist, Geological Survey of Tanzania
- ii 1968-1972 Lecturer in Geology, University of Nairobi, Kenya
- iii 1973 Geologist, Agilis Exploration Services, Vancouver, B.C.
- iv 1974 Geologist, Union Carbide Exploration, Vancouver, B.C.
- v 1974-1975 Geologist, Dolmage Campbell & Associates. Diamond Drilling of Hat Creek Coal Deposit
- vi 1975-1976 Geologist, Kerr Addison Mines, Feasibility & Exploration, Grum Joint Venture
- vii 1976-1977 Geologist, Dolmage Campbell & Associates, Interpretation, Hat Creek Coal Deposit.
- viii 1977-1978 Project Geologist, Chinook Construction & Engineering Ltd., Prospecting, Property Work and Evaluation - Uranium in B.C. and Colorado Plateau.

c) I am

- i) a Fellow of the Geological Association of Canada
- ii) an Engineering Pupil of the Association of Professional Engineers of B.C.



A.M. de Quadros,
Geologist



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7621
NO.

N.T.S. 82E/1W
1:50,000

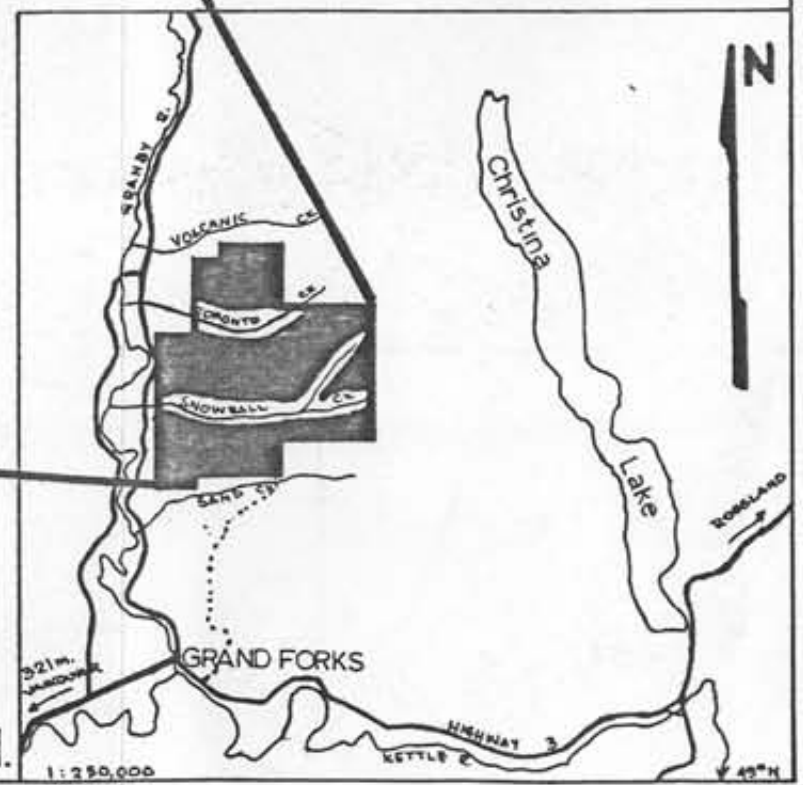
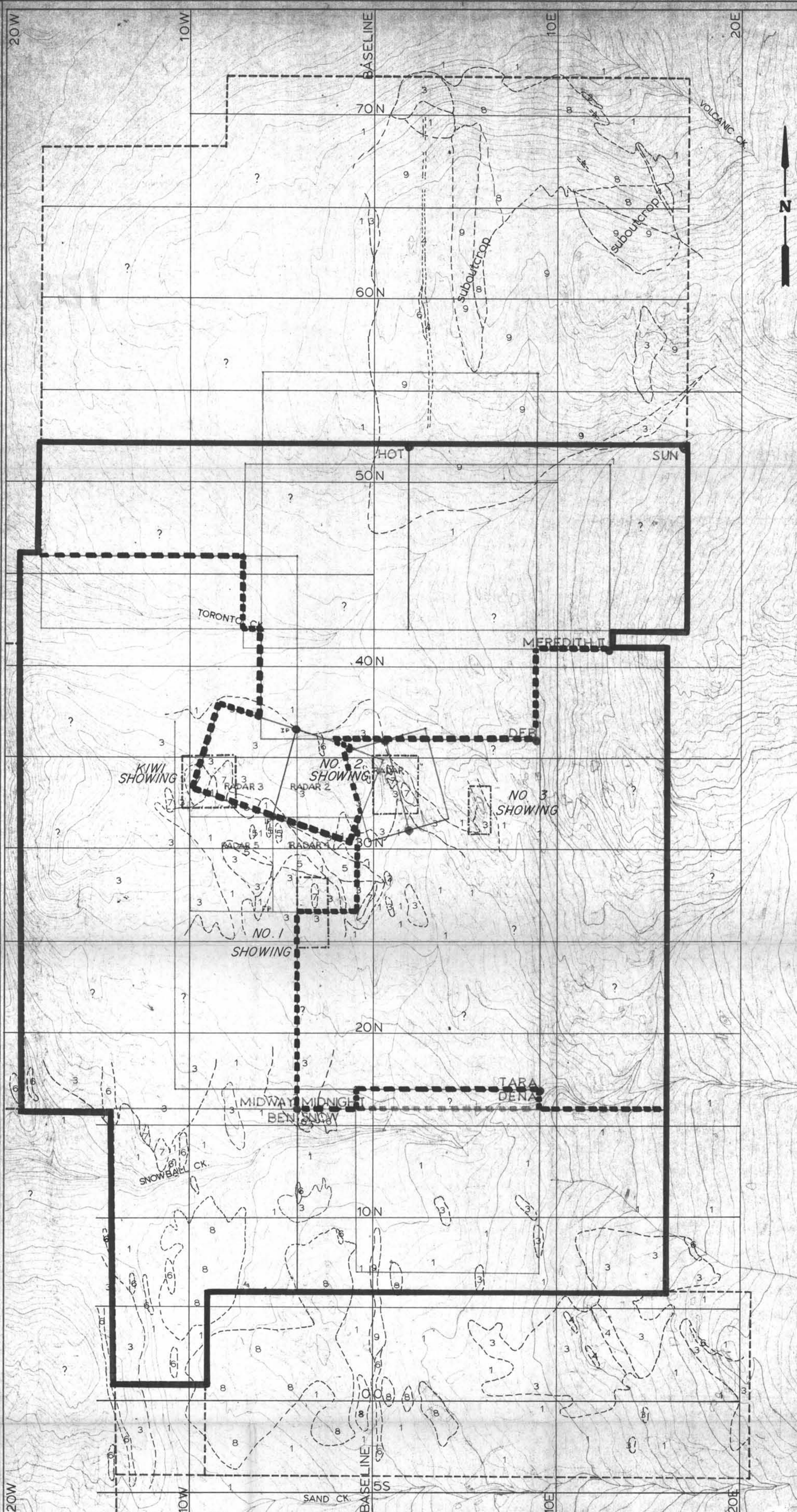


FIG.1: GRANBY PROPERTY
CBC Joint Venture-Grand Forks, B.C.

[Signature]
Chinoek Const. & Eng. Ltd.

Jan. 1979



N.T.S. 82 E/W

CBC JOINT VENTURE
GRANBY PROPERTY

FIG. 2: GEOLOGY OF THE WEST BLOCK
(PRELIMINARY — INCOMPLETE)

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7621
NO.

SCALE
1 : 10000
0 100 300 500
metres

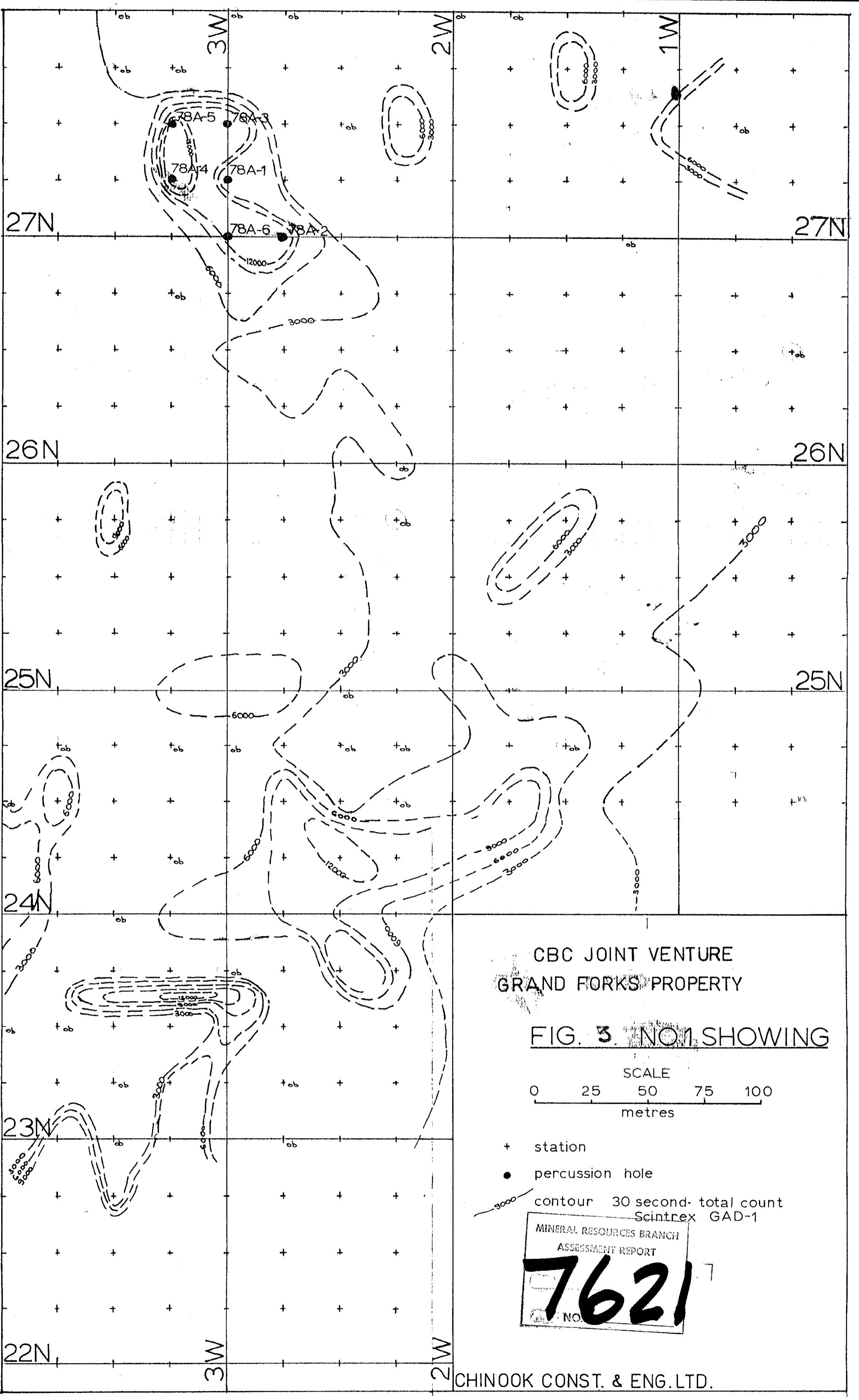
Contour Interval: 10metres
----- West Block boundary

CONTACTS & BOUNDARIES
APPROXIMATE
5 FEBRUARY 1978

Chinook Construction & Engineering Ltd.

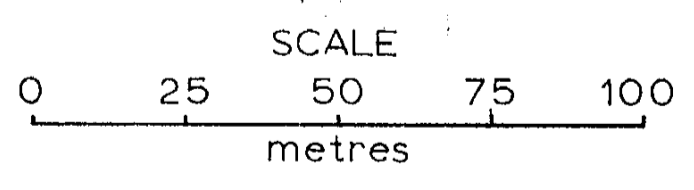
LITHOLOGY

- 1 overburden
- 2 crystalline limestone
- 3 migmatitic biotite-schist
- 4 amphibolite
- 5 hornblende-diorite
- 6 felsite
- 7 granite-pegmatite
- 8 granodiorite-gneiss
- 9 granite



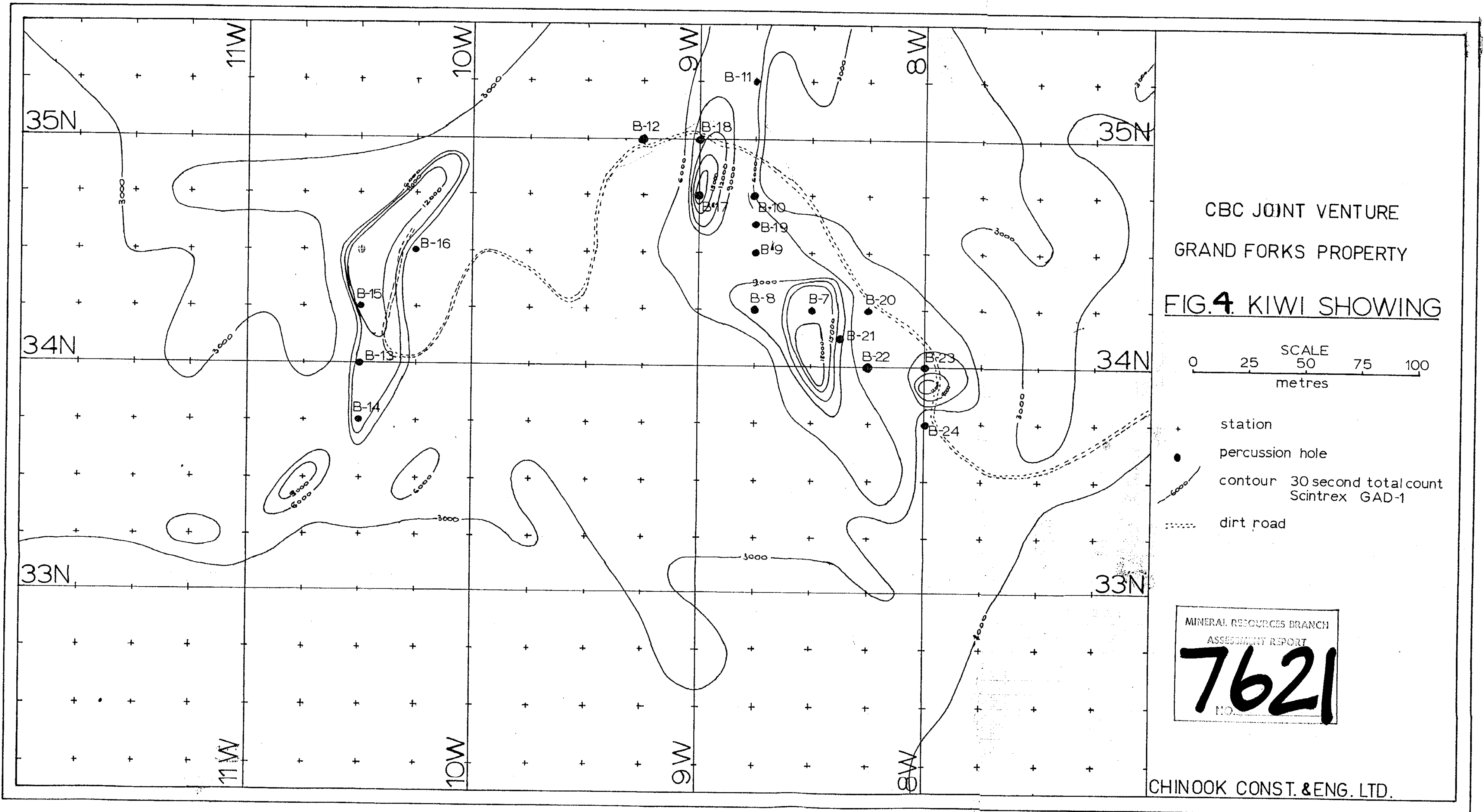
CBC JOINT VENTURE
GRAND FORKS PROPERTY

FIG. 3. NO. 1 SHOWING



- + station
- percussion hole
- contour 30 second total count Scintrex GAD-1

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CBC JOINT VENTURE
 GRAND FORKS PROPERTY
FIG. 4. KIWI SHOWING

SCALE
 0 25 50 75 100
 metres

- + station
- percussion hole
- contour 30 second total count Scintrex GAD-1
- - - - dirt road

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 ASSESSMENT REPORT
7621
 NO.

CBC JOINT VENTURE

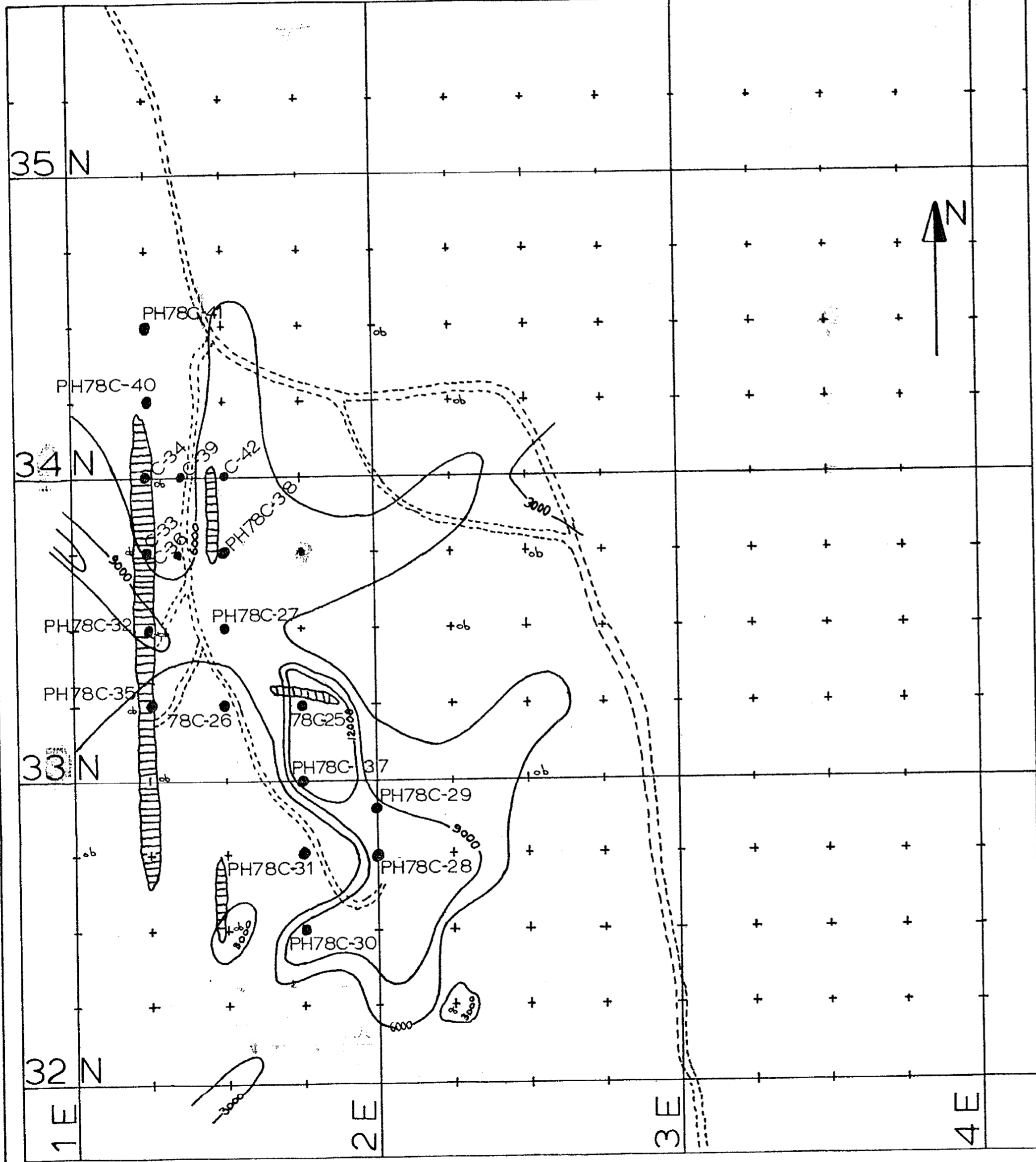
GRAND FORKS PROPERTY

FIG. 5: NO.2 SHOWING

SCALE

0 25 50 75 100metres

- + station
- +_{ob} station with overburden
- percussion hole
- ▤ trench
- - - dirt road
- 6000 contour on total counts for 30seconds Scintrex GAD-1



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CHINOOK CONST. & ENG. LTD.