

**RECEIVED**  
JUN 05 1996  
Gold Commissioner's Office  
VANCOUVER, B.C.

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS
DATE RECEIVED JUN 07 1996

REPORT  
on the

SUMMIT BELL PROPERTY  
(Part of Bayonne Group)

NELSON MINING DIVISION, BRITISH COLUMBIA

NTS 82F/2W

LAT 49 09 30      LONG 116 55 W

for

Goldrich Resources Inc.  
1124 Lee Street,  
White Rock, B. C.

by

S. A. Endersby, P. Eng., (B.C.)

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

May 15, 1996

White Rock, B. C.

**24,449**

**FILMED**

TABLE OF CONTENTS

INTRODUCTION ..... 1

LOCATION, ACCESS, PHYSIOGRAPHY ..... 1

CLAIM DATA ..... 2

HISTORY ..... 3

GEOLOGY ..... 3

METHODS AND INSTRUMENTATION ..... 3

RESULTS AND CONCLUSIONS ..... 3

REFERENCES

AFFIDAVIT OF EXPENSES

CERTIFICATE

APPENDIX - Assay Certificate

ILLUSTRATIONS

Figure 1 - Location Map ..... After page 1

Figure 2 - Access Map ..... 1:250,000 After page 1

Figure 3 - Claim Map ..... 1:50,000 After page 2

Figure 4 - Topographic and Key Map.....1:50,000 After page 2

Figure 5 - Geology ..... After page 2

Figure 6 - Location of Workings.....1:3000 After page 4

Figure 7 - Summit Bell Adit.....1:500 After page 4

## INTRODUCTION

The Summit Bell property is presently part of the Bayonne group and lies about 2 km east of the Bayonne mine on the northwest side of Bluebird Creek. The workings consist of about 60 metres of drifting and about three cuts on a quartz vein in granodiorite. There are some good gold values but not enough work has been done to give an indication of the value of the property.

This report is very preliminary as some difficulty was encountered in finding the old workings. A compass traverse was run northeasterly up the hill from Bluebird Lake, and then easterly to where we located the old adit. A narrow vein fracture was also found along granodiorite bluffs about 600 metres westerly from the old adit. It was striking about the same direction as the vein at the adit but appeared to be a parallel structure about 300 metres to the northwest.

The purpose of this report and work was to find the old workings and obtain some information about them to form the basis for further work. The limited information available in the old government reports was favourable and the gold values were good. Several samples taken for this report confirmed the high gold values. Before the Salmo Creston highway was constructed and a logging road built up Blazed Creek, access to the property was difficult and this would have been a prime factor in curtailing more extensive development by the old operators.

The report also summarizes some of the history and the general geology of the property.

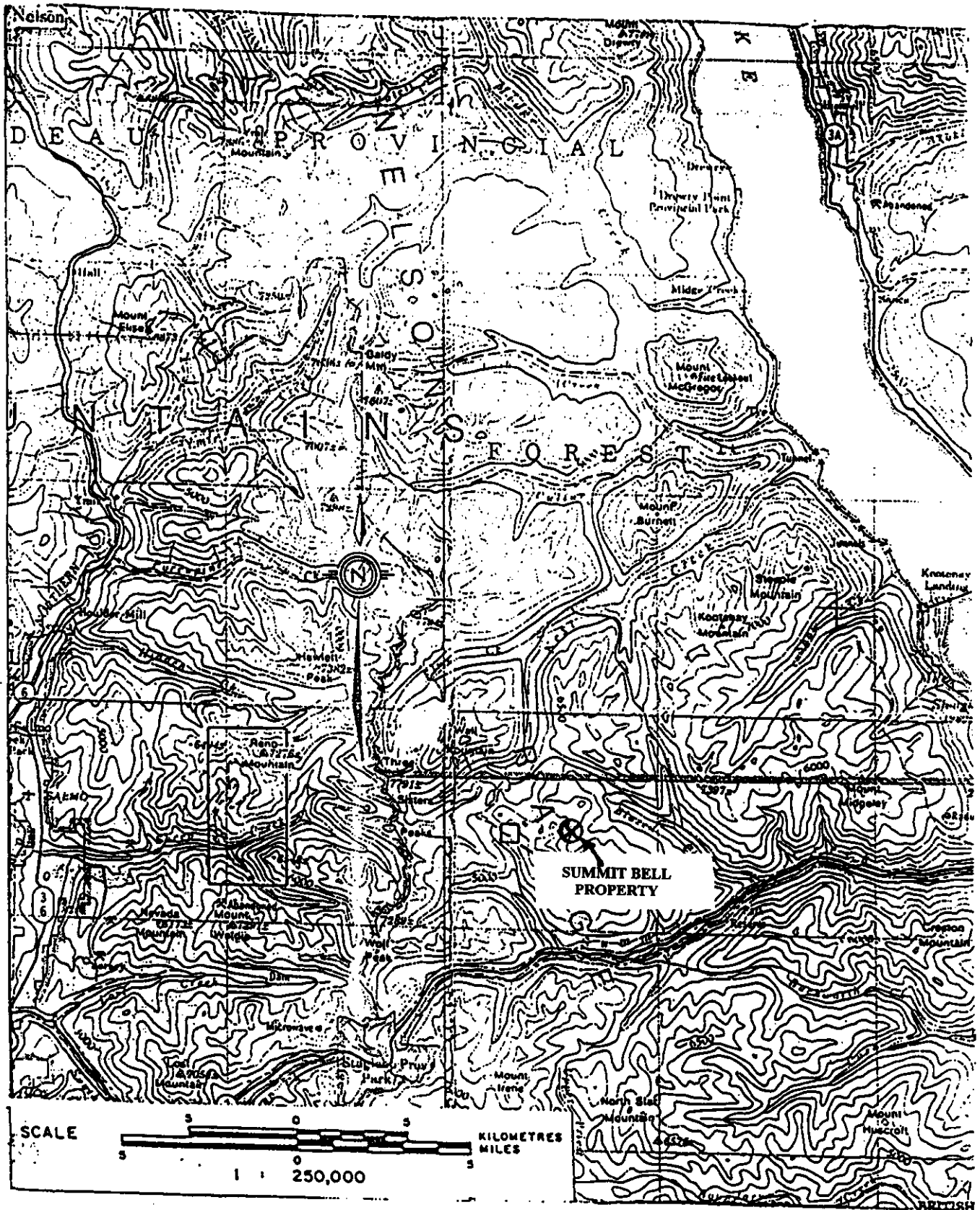
## LOCATION, ACCESS, PHYSIOGRAPHY

The property is situated in the Nelson Mining Division in southeastern British Columbia, approximately 50 kilometres southeast of Nelson and 450 kilometres due east of Vancouver. It lies about 15 kilometres north of the U.S. boundary.

Access to the Summit Bell property, which is part of the Bayonne group, is via about 7 kilometres of gravel road north up the valley of Blazed Creek from the southern trans-provincial highway, and thence by foot about 2 to 3 kilometers up Bluebird Creek to the property. The gravel road up Blazed Creek leaves the highway about 21 kilometres west of Creston and 60 kilometres east of Salmo. The Workings are at an elevation of about 1750 metres.

The topography of the area is moderately rugged, with elevations ranging up to 2225 metres. The country is heavily timbered where it has not been logged or burned by forest fires. Climatic conditions are not excessively severe.





ACCESS MAP

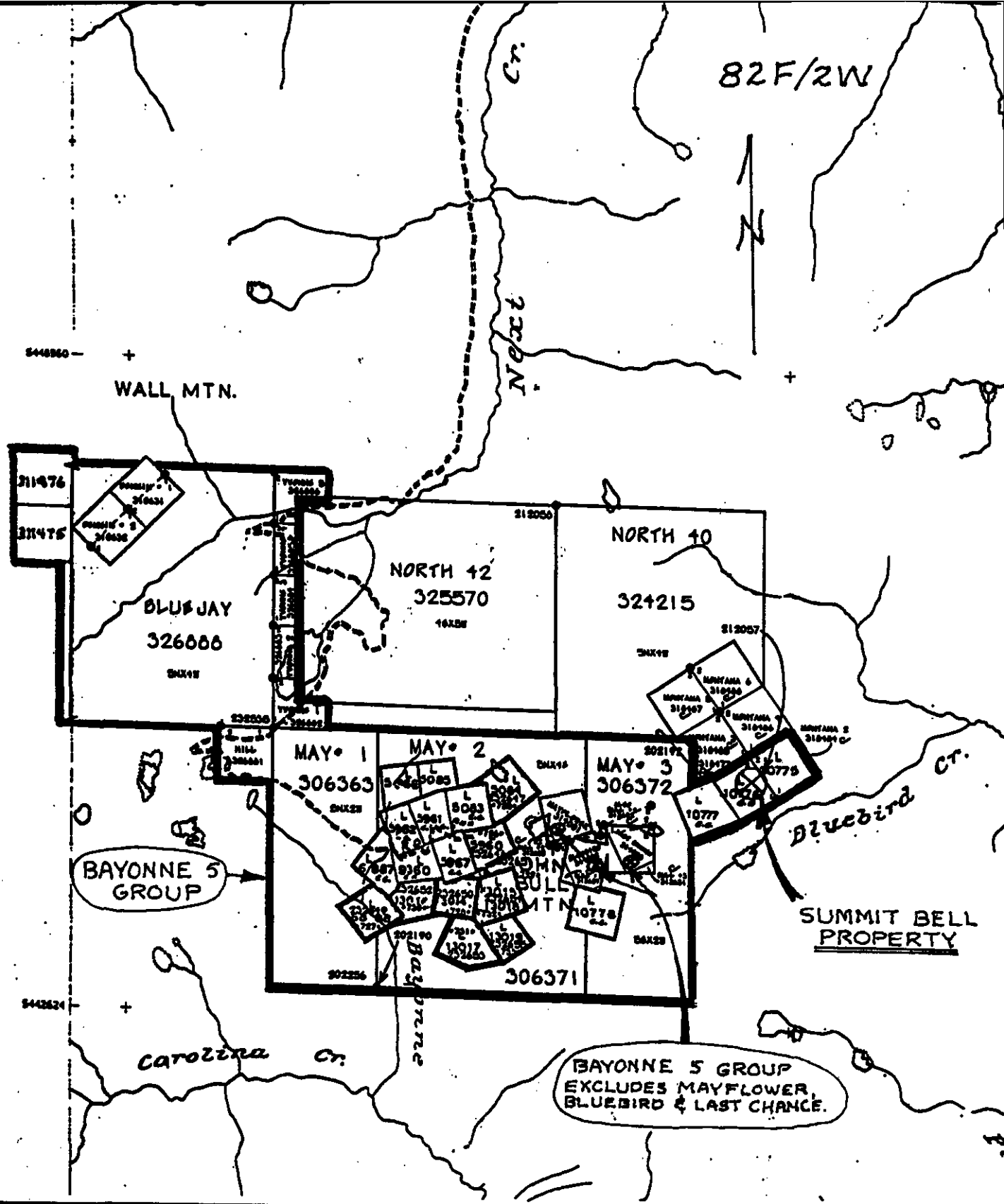
**SUMMIT BELL PROPERTY**  
(PART OF BAYONNE GROUP)

Figure 2

CLAIM DATA

The Bayonne group consists of the following claims. (See Figure 3). The Summit Bell property is part of this group and more specifically relates to the Michigan, Maggie Aikens and Summit Bell claims. The old references are under these names.

<u>Claim Name</u>	<u>Title No.</u>	<u>No. Units</u>	<u>Anniversary Date</u>
Oxford	232647	1	August 15
Delaware	232648	1	August 15
Illinois	232649	1	August 15
Echo	232650	1	August 15
Echo Fract.	232651	1	August 15
Ontario	232652	1	August 15
Portland	232653	1	August 15
St. Elmo Fract.	232654	1	August 15
Idaho	232655	1	August 15
May #1	306363	10	November 18
May #2	306371	20	November 18
May #3	306372	10	November 19
Denmin 1	310631	1	June 25
Denmin 2	310632	1	June 25
Silver Wall #3	311475	1	July 25
Silver Wall #4	311476	1	July 25
Hill	326881	1	June 12
Yvonne 1	326882	1	June 12
Yvonne 2	326883	1	June 12
Yvonne 3	326884	1	June 12
Yvonne 4	326885	1	June 12
Yvonne 5	326886	1	June 12
Bluejay	326888	20	June 12
Bruce #1	336574	1	June 12
Bruce #2	336575	1	June 12
Bayonne	L. 5083(c.g.)	1	
Columbus	L. 5961(c.g.)	1	
Ohio	L. 5962(c.g.)	1	
New Jersey	L. 5967(c.g.)	1	
Virginia	L. 6887(c.g.)	1	
Skookum	L. 9360(c.g.)	1	
Michigan	L. 10775(c.g.)	1	
Maggie Aikens	L. 10776(c.g.)	1	
Summit Bell	L. 10777(c.g.)	1	
Montana	L. 10778(c.g.)	1	
	<b>Total units</b>	<b>91</b>	

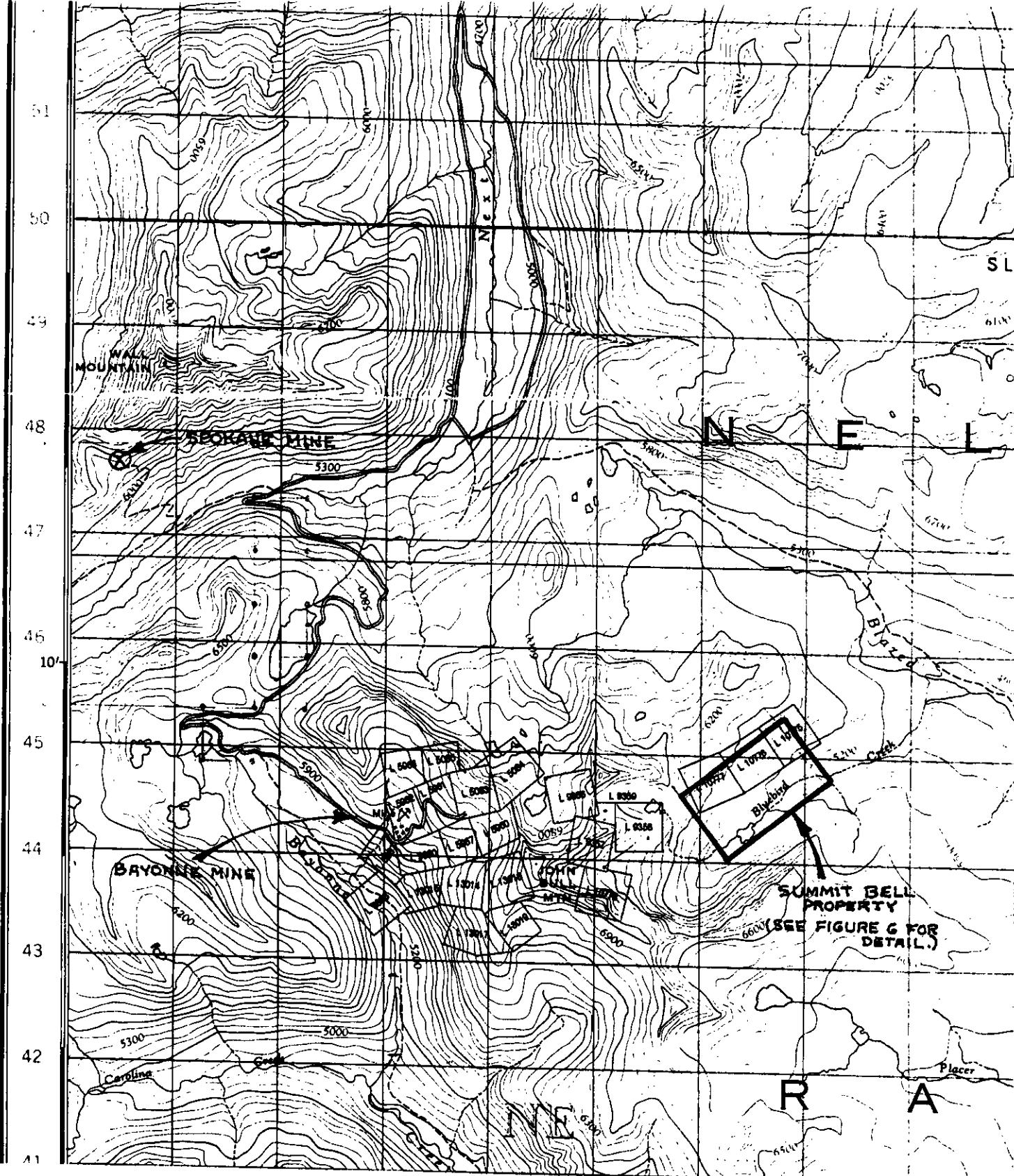


**SUMMIT BELL PROPERTY**  
(PART OF BAYONNE GROUP)

**CLAIM MAP**



Figure 3



**SUMMIT BELL PROPERTY**  
(PART OF BAYONNE GROUP)  
**TOPOGRAPHIC AND KEY MAP**



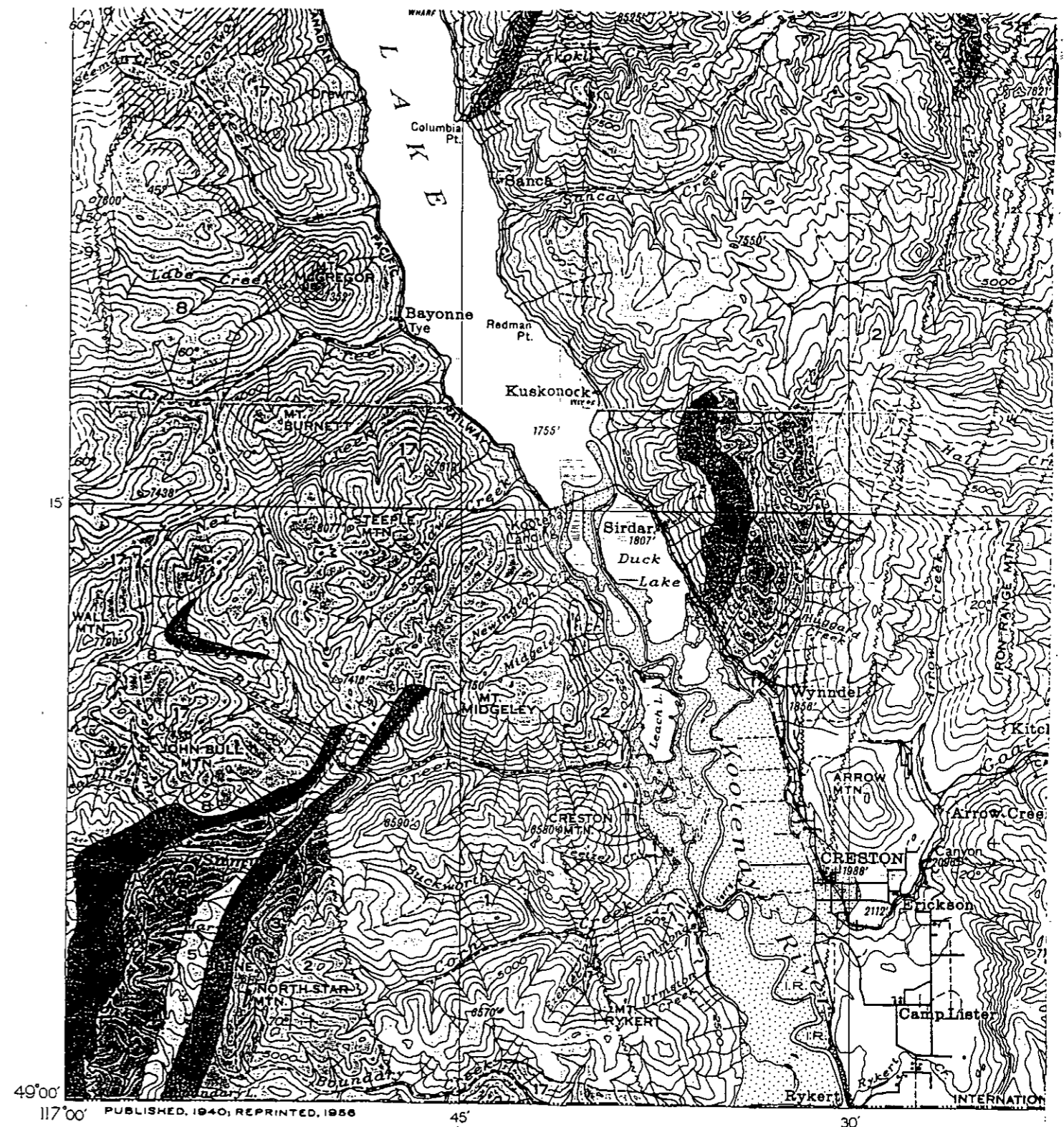
Figure 4



LEGEND

NOTE: Since this map was originally printed, formations that were included in the upper part of the Windermere have proved to be Palaeozoic

MESOZOIC AND (1) CENOZOIC	POST-TRIASSIC	Syenitic intrusives; agglomerate	
		Chiefly granite, granodiorite and quartz diorite	
MESOZOIC	TRIASSIC	SLOCAN SERIES Slate, argillite, quartzite, limestone, schists	
		KASLO SERIES Lavas, tuffs, breccias; allied intrusives; schists	
PALAEOZOIC AND MESOZOIC	UPPER CARBONIFEROUS AND TRIASSIC	Slate, argillite, chert, limestone; schists; some greenstone	
		MILFORD GROUP	
PALAEOZOIC	CAMBRIAN		
	LOWER CAMBRIAN	EAGER FORMATION: olive-green, purple and grey shale	
		CRANBROOK FORMATION: silicious, white, rose, purple and grey quartzite and conglomerate	
WINDERMERE	LARDEAU SERIES	Micaceous and chloritic schists; quartzite and limestone; paragneiss	
	BADSHOT FORMATION	magnesian limestone	
	HAMILL SERIES	Grey, green and white, silicious quartzite	
	HORSETHIEF CREEK SERIES	Green, argillaceous quartzite; blue-grey limestone, arkose, pebble conglomerate	
	IRENE VOLCANIC FORMATION	sheared, andesitic volcanic rocks	
	TOBY FORMATION	conglomerate	
	PURCELL	UPPER PURCELL	
		MOUNT NELSON FORMATION	laminated argillite, magnesian limestone, quartzite
		DUTCH CREEK FORMATION	laminated argillite, magnesian limestone, quartzite
	LOWER PURCELL	KITCHENER-SIYEH FORMATION	chiefly vari-coloured magnesian limestone and argillite; calcareous quartzite
CRESTON FORMATION		green, purple and grey, argillaceous quartzite; some argillite	
ALDRIDGE FORMATION		grey, rusty-weathering, argillaceous quartzite and argillite	



Source: Rice, H.M.A., Nelson Map Area, East Half, British Columbia. GSC Memoir 228

Figure 5

## HISTORY

The Michigan, Maggie Aikens, and Summit Bell claims were all crown granted to Frank Aikens and Phillip Casey on September 18, 1917. Some work had been done on the Maggie Aikens vein by 1910, when the Report to the Minister of Mines for 1910 noted that ore was reached in the last 10 feet of a 70 foot drift, of which 25 feet was driven in the past season. The next reference was in the 1937 Report which showed about 180 feet of drifting, which is about the present extent of the workings, so that it appears that no appreciable physical work has been done on the three crown granted claims since that time.

The three crown granted mineral claims referred to in the previous paragraph were acquired by Goldrich Resources in 1984

## GEOLOGY AND MINERALIZATION

The Bayonne Property, of which the Summit Bell property is part, is underlain by fine to medium grained granodiorite of Mesozoic age intruding a green argillaceous quartzite, limestone and coarse sediments of the Horsethief Creek series of late Preambrian age. The property is located near the southwest end of an elongate, northeast-trending, 60 km long body of granodiorite known as the Bayonne batholith. It varies in composition from a granite to a calcic granodiorite and contains phases described as coarse grained, fine grained, porphyritic, non-porphyritic, pink and light to dark grey and is often gneissic in nature. The variety centered on John Bull Mountain and underlying the Bayonne property is referred to as the Mine Stock and H. M. Rice believes this to be a separate and older body rather than a part of the Bayonne batholith. Mineralization consists of quartz filled fissure veins striking N80E and dipping vertically. The veins vary in width from a few centimeters to 3 meters and average about 0.5 meters in width. Gold and silver are intimately associated with pyrite, galena, sphalerite and chalcopyrite.

## METHOD AND INSTRUMENTATION

Reconnaissance and 2.0 km of compass and chain surveys were done to find and show on a plan where the old work was done. A geochemical analysis was done on six samples taken in the vicinity of the adit, and then a fire assay done on the four of those that showed high gold values.

## RESULTS AND CONCLUSIONS

As shown in Figure 7, the gold values obtained from four of the samples were very good and confirmed the values referred to in old reports. These were grab samples from material from several piles near the adit and open cuts. The cuts were too sloughed in to obtain a representative sample of the in place material and our

4.

light was not good enough to sample properly inside the tunnel, although it was fully accessible. However the gold values of the sampled material indicate that the property warrants further work to help determine the extent, width and grades of the vein showings, as well as look for any parallel or adjacent structures.

It is initially proposed to take some closely spaced VLF and SP readings across the known part of the vein, and if a significant response is obtained, then try to follow the vein in both directions along strike. Also some geochemical soil sampling should be done.

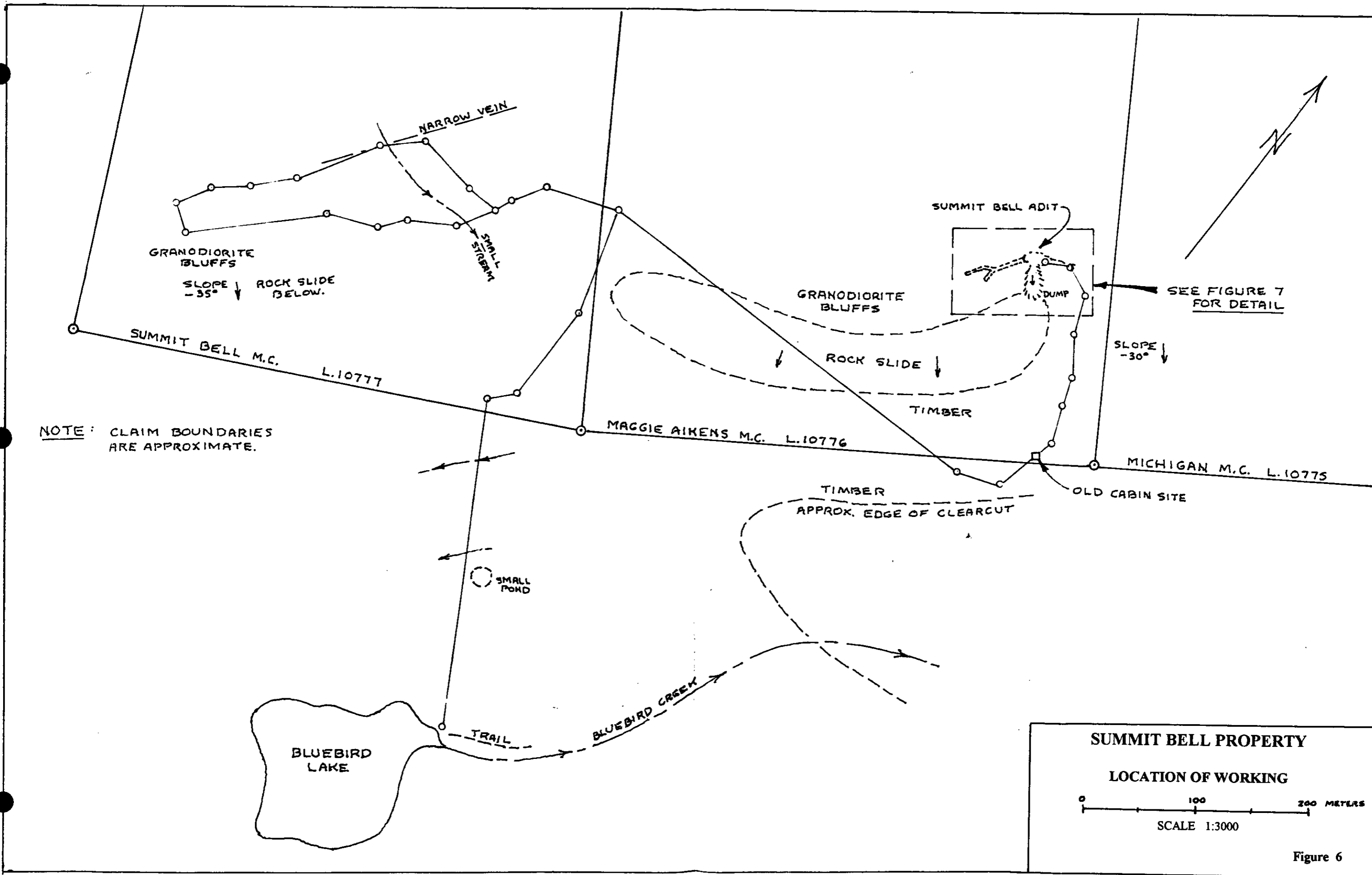
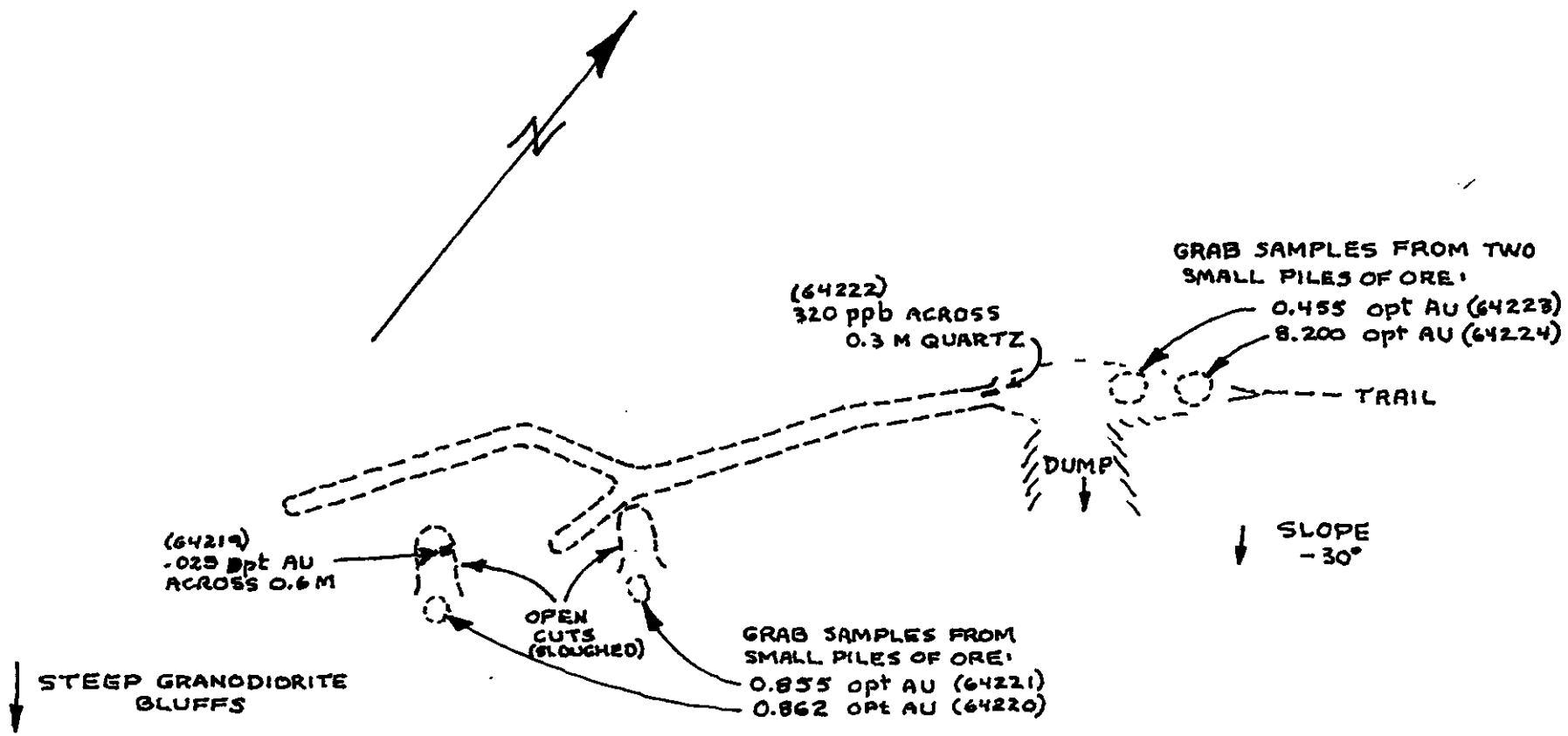
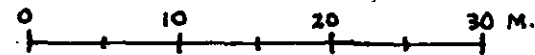


Figure 6



SEE FIGURE 6 FOR LOCATION OF THIS ADIT.

**SUMMIT BELL ADIT**



SCALE 1:500

Figure 7

## REFERENCES

- Hitchins, A. (1987). Assessment Report on the Bayonne Claim Group. British Columbia Ministry of Mines, Energy and Petroleum Resources. Assessment Report for Goldrich Resources Inc.
- Rice, H.M.A. (1941). Nelson Map Area East Half. Geological Survey Canada. Memoir 228.
- Phendler, R. G. (1982) Report on the Bayonne Property. Private report for Goldrich Resources Inc.
- Wells, R.A. and OGrady, F. (1984). Exploration and Development Proposal Bayonne Mine Property. Private report for Goldrich Ressources Inc.
- Reports of the Minister of Mines. 1910, 1917 and 1937.

AFFIDAVIT OF EXPENSES

This will certify that fieldwork was carried out on July 29th and 30th, 1995 on the Summit Bell property (part of the Bayonne Group) in the Salmo area of the Nelson Mining Division to the value of the following:

Labour - 1.5 man days @ \$300/day	\$450.00
3 man days @ \$200/day	600.00
4WD vehicle rental - 2 days @ \$55/day	110.00
Mileage - 280 km @ \$0.25/km	70.00
VLF-EM16 rental	50.00
Assaying	125.00
Meals & Lodging	195.00
Materials, flagging, etc.	25.00
Telephone	20.00
Report preparation	750.00
	-----
Total	\$2,395.00
	=====

May 15, 1996

Stan A. Endersby, P. Eng.

CERTIFICATE

I Stan A. Endersby, certify that:

- 1.) I am a graduate of the University of British Columbia in Chemical Engineering (BA.Sc. 1954). Also I have an M.Sc. in 1965.
- 2.) I am a member in good standing of the Association of Professional Engineers of B. C.
- 3.) This report is based on fieldwork carried out on July 29th and 30th, 1995 on the Summit Bell property (part of the Bayonne group). The work was supervised by myself and I was assisted by K. Bonde (Columbia Geophysics) and D.J. Endersby.
- 4.) I have an interest in the claims.

May 15, 1996.  
White Rock, B. C.

Stan A. Endersby, P.Eng. (B.C.)



# ROSSBACHER LABORATORY LTD.

## CERTIFICATE OF ANALYSIS

2226 Springer Ave., Burnaby,  
British Columbia, Can. V5B 3N1  
Ph:(604)299-8910 Fax:299-8252

To : Nugget Mines Ltd.  
1124 Lee Street  
White Rock B.C. V4B 4P4

Certificate: 96023 A  
Invoice: 50563  
Date Entered: 96-03-13  
File Name: NUG96023.A  
Page No.: 1

Project:  
Type of Analysis: Assay

PRE FIX	SAMPLE NAME	ROSK GEOCHEM	FIRE ASSAY	
		PPB	oz/t	
		Au	Au*)	
A1	64219	1000.0		} SUMMIT BELL PROPERTY. SEE FIGURE 7 FOR LOCATION OF SAMPLES.
A1	64220	16000.	0.862	
A1	64221	7900.0	0.855	
A1	64222	320.00		
A1	64223	11000.	0.455	
A1	64224	>20000	8.200	
A1	<del>64225</del>	<del>1900.0</del>	<del></del>	
A1	<del>64226</del>	<del>14000.</del>	<del>0.575</del>	
A1	<del>64227</del>	<del>120.00</del>	<del></del>	
A1	<del>64228</del>	<del>2330.0</del>	<del>0.150</del>	
A1	<del>64229</del>	<del>1150.0</del>	<del></del>	
A1	<del>64230</del>	<del>5700.0</del>	<del>0.260</del>	
A1	<del>64231</del>	<del>310.00</del>	<del></del>	
A1	<del>64232</del>	<del>270.00</del>	<del></del>	
A1	<del>64233</del>	<del>1030.0</del>	<del></del>	
A1	<del>64234</del>	<del>14000.</del>	<del>0.620</del>	
A1	<del>64235</del>	<del>430.00</del>	<del></del>	
A1	<del>64236</del>	<del>960.00</del>	<del></del>	
A1	<del>64237</del>	<del>640.00</del>	<del></del>	
A1	<del>64238</del>	<del>760.00</del>	<del></del>	
A1	<del>64239</del>	<del>1440.0</del>	<del></del>	
A1	<del>64240</del>	<del>20.000</del>	<del></del>	
A1	<del>64241</del>	<del>60.000</del>	<del></del>	
A1	<del>64242</del>	<del>70.000</del>	<del></del>	
A1	<del>64243</del>	<del>280.00</del>	<del></del>	

\*) Fire Assay gold results.

CERTIFIED BY:

*Rossbach*