

Jericho 92I/10

520119

REPORT ON THE JERICHO CLAIMS, SITUATE IN
THE HIGHLAND VALLEY AREA, KAMLOOPS M. D.

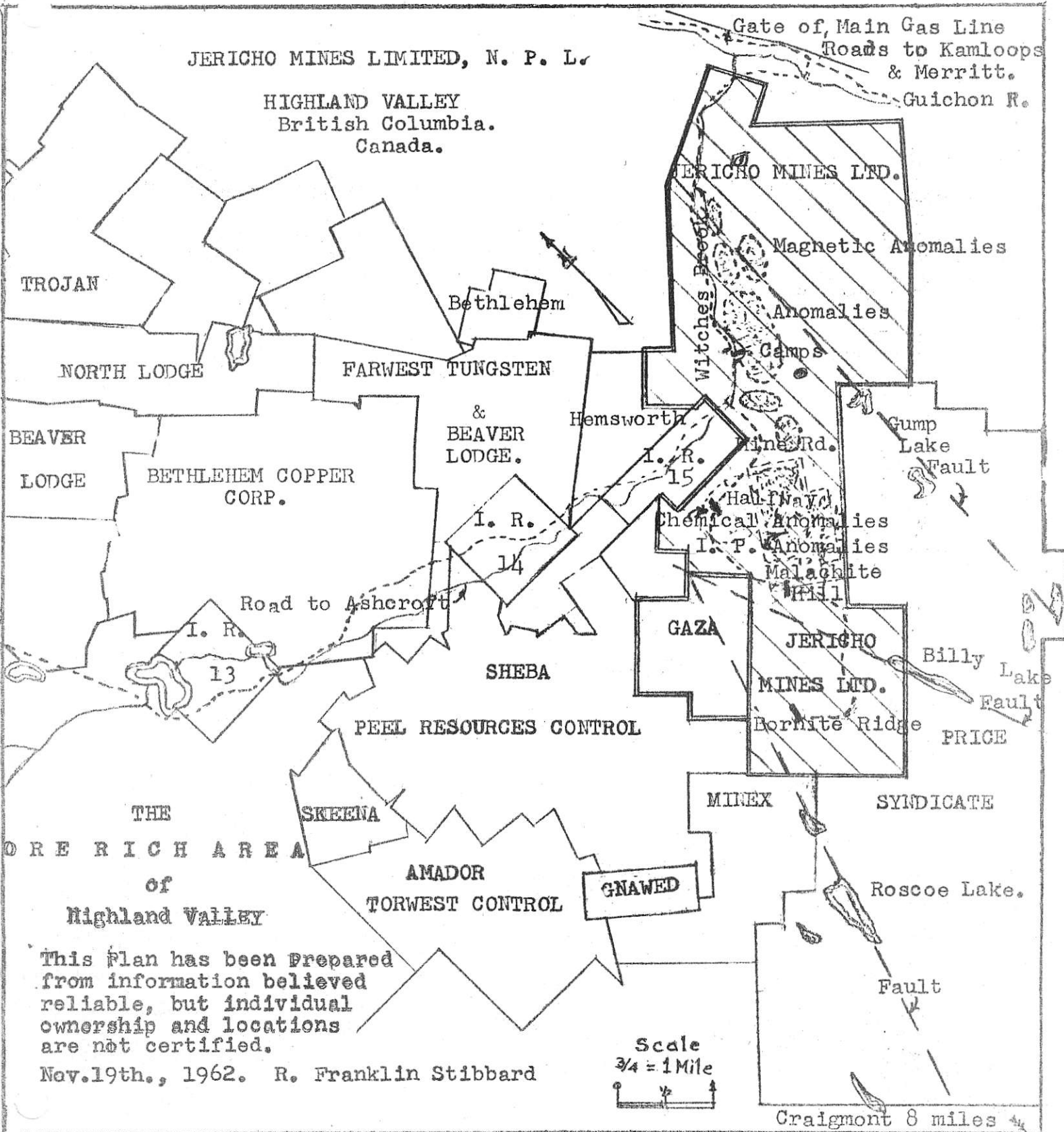
OWNED BY JERICHO MINES LTD. (NPL)

R. E. RENSHAW, P. Eng.
Consulting Geologist
23 Sep 63

JERICHO MINES LIMITED, N. P. L.

HIGHLAND VALLEY
British Columbia.
Canada.

Gate of Main Gas Line
Roads to Kamloops
& Merritt.
Guichon R.



TROJAN

Bethlehem

JERICHO MINES LTD.

Magnetic Anomalies

Anomalies

Camps

NORTH LODGE

FARWEST TUNGSTEN

Witches Brook

Hemsworth

Gump Lake

Fault

BEAVER
LODGE

&
BEAVER
LODGE.

BETHLEHEM COPPER
CORP.

I. R. Mine Rd.

I. R. 15

Halfway

Chemical Anomalies

I. P. Anomalies

Malachite
Hill

Road to Ashcroft

I. R.

14

GAZA

JERICHO
MINES LTD.

Billy Lake

Fault

I. R.

13

SHEBA

Bornite Ridge

PRICE

PEEL RESOURCES CONTROL

THE

SKEENA

MINEX

SYNDICATE

ORE RICH AREA

of

Highland Valley

AMADOR

GNAWED

TORWEST CONTROL

Roscoe Lake.

This Plan has been Prepared
from information believed
reliable, but individual
ownership and locations
are not certified.

Nov. 19th., 1962. R. Franklin Stibbard

Scale

3/4 = 1 Mile



Fault

Craigmont 8 miles

REPORT ON THE JERICHO CLAIMS, SITUATE IN
THE HIGHLAND VALLEY AREA, KAMLOOPS N. D.
OWNED BY JERICHO MINES LTD. (NPL)

INTRODUCTION

The property discussed in this report is on the northeasterly slope of Gnawed Mountain and the valley of Witches Brook. It is some 34 miles southeast of Ashcroft, B.C. The approximate geographic location is 50 degrees-23 minutes North latitude and 120 degrees- 50 minutes West longitude.

The object of this report is to correlate the previous work and reports, check the current location of diamond drill holes, and to recommend and layout an exploration program for the development of the property.

The writer is indebted to Messrs Hatch and Stibbard for the use of their reports, maps and field notes relating to the geology and history of the Camp. He also acknowledges the help and assistance given by Mr. Lief Ostensoe, geologist for the Company and Mr. Mat Tinny, company foreman.

Field Work

The field work upon which this report is based dates back to 1957 and extends to September, 1963. These dates are listed chronologically.

1. Preliminary examination of Skeena- Peel-Torwest-Minex-Jericho claims July, 1957
2. Detailed geological mapping same area, August, 1958
3. Detailed geological mapping same area, September, 1959
4. Detailed geological and geophysical surveys Peel- Torwest-Minex October, 1961 to March, 1962
5. Examination of Jericho claims, September 22nd and 23rd, 1963. Layout of exploration program.

ACCESS

Access to the area is by the Ashcroft-Hyland Valley secondary improved highway which is currently being blacktopped. It is some 34 miles from the Jericho camp to Ashcroft.

A jeep mining road runs from the Jericho camp at the side of the

main highway through the claims.

At the present time little or no money will be required for building further access roads.

TOPOGRAPHY

The claims are in the Interior Plateau area of British Columbia. The topography is characterized by gentle rolling hills and upland areas. Relief is not rugged nor extreme. It ranges from 3500 feet or more at Highland Valley to 5993 feet at the summit of Gnawed Mountain. The elevation of the Jericho claims range from 3500 feet to 5000 feet. A thin mantle of glacial debris and outwash material covers most of the claims and rock outcroppings are limited in extent.

CLIMATE

The area is in the dry belt section of British Columbia. The summers are hot and dry with temperatures as high as 100 degrees. Winters are not too severe. Occasional lows of 35 degrees below zero may be recorded for a week or so. The total precipitation for the year is about 10-14 inches and falls mostly in the form of snow during the months of January and February.

TIMBER

The claims are covered with jackpine growth and occasional small stands of fir or pine. Little or no commercial timber is present. Lumber can be purchased at Merritt or Ashcroft from numerous sawmills.

WATER

Ample water is available for all diamond drilling, mining, milling and domestic purposes from several small streams and lakes on the property. There is probably enough water present in Gnawed Lake to maintain a small tonnage mill if recirculation of the water was practised.

POWER

The British Columbia Power and Hydro Commission power transmission line connecting Ashcroft to Merritt runs through the claims.

ACCOMMODATION

A well-built camp complete with equipment suitable for a crew of twenty-five men is on the property.

LABOUR

A ready labour pool of experienced diamond drillers, miners and geophysical crews is available at Ashcroft and Merritt.

ADJACENT AND OTHER NEARBY PROPERTIES

1. Bethlehem Copper Corporation Ltd.

This property lies immediately to the northeast of the Jericho claims. Here a low grade porphyry copper type of mineralization has been developed. To date approximately 58,500,000 tons of 0.90% copper has been proven. A 3500 ton daily capacity mill is now in operation. The ore occurs in a breccia zone of quartz diorite.

2. Peel Resources

This property lies immediately to the north and west of the Jericho. Here a strong shear zone which strikes S 15 degrees West and dips 65 degrees East, is in part, intensely greisenized and has been mineralized with pyrite and chalcopyrite. The country rock is a brecciated quartz diorite and is also mineralized to a lesser extent with copper sulphides and carbonates. A considerable tonnage of 2% copper has been outlined and further exploration is in progress.

3. Torwest Resources Ltd. and Minex Mines Ltd.

Similar conditions to the Peel property prevail on these claims. A combined exploration program of these properties is being planned for the near future.

Jericho Mines is thus situated in the heart of a productive mining camp.

CLAIMS

The property of Jericho Mines Ltd consists of 88 claims held by direct title and 65 claims held in trust for the Company by the secretary, Mr. N. B. Hatch. It contains in all at 7600 acres, more or less. Details of the claims are shown in Appendix "A" of this report.

REGIONAL GEOLOGY

The regional geology of the area is well covered by the Geological Survey of Canada Memoir 249 by W. E. Cockfield, 1948, "Geology and Mineral Deposits of the Nicola Map Area". More recent papers covering the geology of the Highland Valley, and in particular the Bethlehem Mine, have been published in the Western Miner and Oil Review, Transactions of the Canadian Institute of Mining and Metallurgy, and the Annual Reports of the Minister of Mines of B.C. from 1955 to 1962.

The area is underlain by granitic rocks of the Quichon batholith. This is a complex batholith and more than one type and age of granitic intrusion is present. The general dating of the batholith has been established as Jurassic and later.

HISTORY

The following history of the property is obtained from a report by Mr. F. J. Hemsworth, P. Eng.

The 153 claims comprising the Jericho Mines property were acquired by location in 1955. During that winter three diamond drill holes were drilled in the valley on the west side of Witches Brook. The following summer a magnetometer survey was conducted by McPhar Geophysics over an area of 60 claims.

The property was optioned to Anson Mines Ltd., a wholly owned subsidiary of Phelps Dodge Corporation of Canada. During 1957 and 1958 Phelps Dodge carried out general prospecting, geological mapping and diamond drilled three holes totalling 1,220 feet on the east side of Witches Brook.

During the 1960 season a small amount of the claims were surveyed by the Self Potential method and two short holes drilled on Bornite Ridge.

In 1961 further geochemical soil surveys and Induced Potential surveys were run over the more anomalous sections of the claims. The results of these surveys are being tested by the current diamond drilling program.

1963 Diamond Drill Results

To date some 12 short diamond drill holes have been completed on Bob No. 2 claim in the vicinity of line 2, 1700 north. The purpose of these holes being to test IP anomalous areas.

Holes 1 and 6 were the best and intersected good to fair copper values. The other holes either failed to reach their objective or passed over the presumed dome shaped target zone. Diamond drill hole No. 6 cut the zone at 278 feet and was still in it at 335 feet when the hole was lost. Core recovery was almost nil but a combination of core and sludge samples returned an average of 2.25% copper and 1.0 ounce of silver per ton. This is a strong talc-sericite schist fault zone mineralized with pyrite, chalcopyrite and minor bornite. This core resembles the zone found on Peel resources and appears to have a similar strike and dip.

From the results of the holes to date it appears that the structure is dome shaped and appears from the IP and drill results to be dome shaped and also appears to be widening with depth.

To test this hypothesis I have recommended and spotted 4 holes;

Hole A: located at 125 feet east of line 2 at chainage 900 north.
This to be 800 feet vertical

Hole B: located at 175 feet east of line 2B at chainage 475 north.
This to be 400 feet at minus 45 degrees and drilled northwest

Hole C: located at chainage 600 feet north on Line 2B.
This to be drilled at minus 45 degrees for a distance of 400 feet and drilled northwest.

Hole D: located 125 feet east of line 2C at chainage 150 north.


This to be drilled northwest at minus 45 degrees for 400 feet.

The results of this will be used to plan further diamond drilling.

One other hole may be drilled some 1500 feet at S 15 W where the projected intersection of this zone meets the "Billy Lake" fault.

In conclusion I find these preliminary drill results very encouraging for the following reasons.

1. There is good structure, faults plus intrusives of different ages which buttress against one another. The contact is usually fractured and sheared and offers potential channels for mineralizing solutions.
2. There is widespread mineralization over a large portion of the claims.
3. Numerous geochemical anomalies have been found which upon trenching or diamond drilling have located copper occurrences.
4. The IP survey has indicated anomalous areas which have been found by drilling to be caused by sulphides.


R. E. Renshaw, P. Eng.
Consulting Engineer

JERICHO MINES LIMITED, N.P.L.
Suite 14 - 1531 Davie Street,
VANCOUVER 5, B. C.

LIST OF MINERAL CLAIMS

All Claims are held in good standing, 88 direct title and 65 under
Declaration of Trust for Jericho, by the Secretary-Treasurer, H. B. Hatch.

CLAIM NAME	CLAIM NUMBER	RECORD NUMBER	EXPIRATION DATE	HELD BY JERICHO	HELD BY TRUSTEE	LOCATION OF PROPERTY
JERICHO	1	38076	Aug. 17/65		H. B. Hatch	HIGHLAND VALLEY ADJOINING NO. 15 INDIAN RESERVE OR VICINITY
	2	40658	Sept. 13/64		"	
	3	40659	" "		"	
	4	40660	" "		"	
	5	40661	" "		"	
	6	40662	" "		"	
	7	40663	" "		"	
	8	40664	" "		"	
	9	40665	" "		"	
	10	40666	" "		"	
	11	40667	" "		"	
	12	40821	Oct. 4/63		"	
	13	40822	" "		"	
	14	40823	" "		"	
	15	40824	" "		"	
	16	40825	" "		"	
	17	40826	" "		"	
	18	40827	" "		"	
	19	40828	" "		"	
	20	40829	" "		"	
	21	40830	" "		"	
	22	40831	" "		"	
	23	40832	" "		"	
	24	40833	" "		"	
	25	40805	Sept. 27/63		"	
	26	40806	" "		"	
	27	40807	" "		"	
	28	40808	" "		"	
	29	40809	" "		"	
	30	40810	" "		"	
	31	40811	" "		"	
	32	40812	" "		"	
	33	40813	" "		"	
	34	40814	" "		"	
	35	40815	" "		"	
	36	40816	" "		"	
	37	40840	Oct. 11/63		"	
	67	40839	" "		"	
	38	40841	" "		"	
	39	40842	" "		"	
	40	40843	" "		"	
	41	40844	" "		"	
	42	40845	" "		"	
	43	40846	" "		"	
	44	40847	" "		"	
	45	19449	Dec. 17/63		"	
	46	19450	" "		"	
	47	19451	" "		"	
	48	19452	" "		"	
	49	19453	" "		"	
	50	19454	" "		"	

CLAIM NAME	CLAIM NUMBER	RECORD NUMBER	EXPIRATION DATE	HELD BY JERICO	HELD BY TRUSTEE	LOCATION OF PROPERTY
JERICHO	51	41203	Jan. 3/64		H. B. Hatch	IN THE GENERAL AREA OF NO. 15 INDIAN RESERVE
	52	41204	" "		"	
	53	41205	" "		"	
	54	41206	" "		"	
	55	41207	" "		"	
	56	41208	" "		"	
	57	41209	" "		"	
	58	41210	" "		"	
	59	41175	Dec. 13/63		"	
	60	41176	" "		"	
	61	41177	" "		"	
	62	41178	" "		"	
	63	41179	" "		"	
	64	41180	" "		"	
	65	41181	" "		"	
	66	41182	" "		"	
	68	42486	Apr. 22/64		"	
	69	42487	" "		"	
	70	42488	" "		"	
	71	42489	" "		"	
	72	42490	" "		"	
	73	42491	" "		"	
	74	42492	" "		"	
	75	42493	" "		"	
	76	20316	Apr. 19/64		"	
	77	20317	" "		"	
	78	20318	" "		"	
	79	20319	" "		"	
	80	20320	" "		"	
	81	20321	" "		"	
	82	20322	" "		"	
	83	20323	" "		"	
	84	20324	" "		"	
	85	20325	" "		"	
	86	20326	" "		"	
	87	20327	" "		"	

JERICO MINES LIMITED, N.P.L.
Suite 14 - 1531 Davie Street,
VANCOUVER 5, B. C.

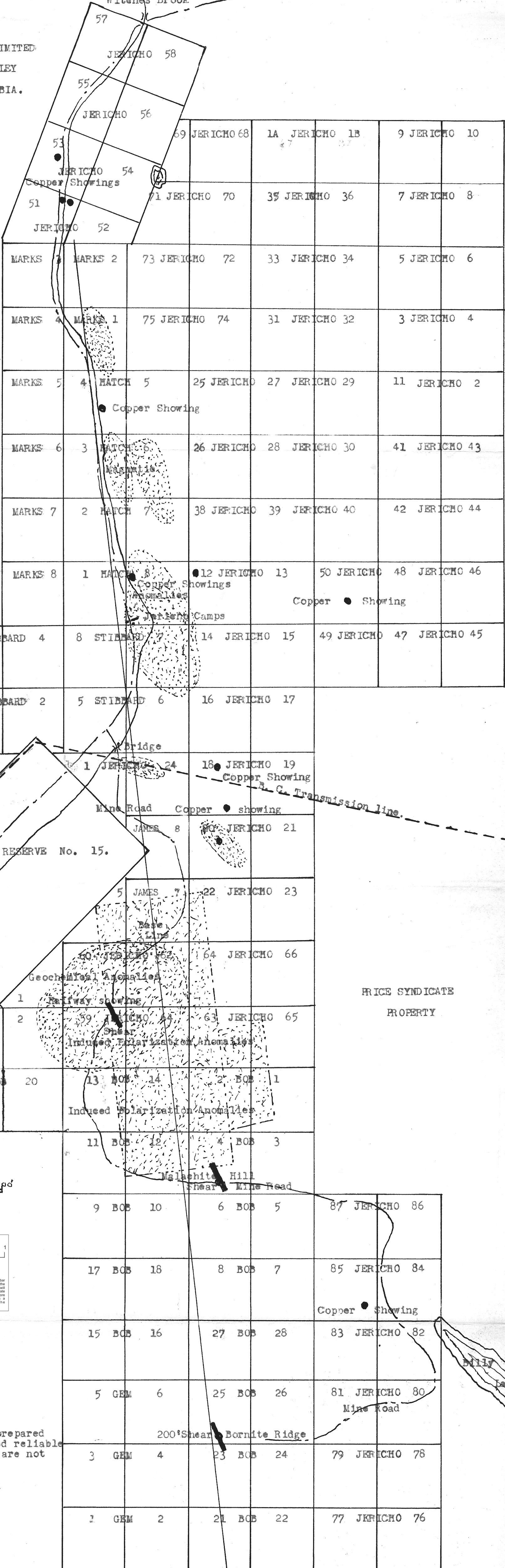
LIST OF MINERAL CLAIMS

All Claims are held in good standing, 88 direct title and 65 under Declaration of Trust for Jericho, by the Secretary-Treasurer, H.B. Hatch.

CLAIM NAME	CLAIM NUMBER	RECORD NUMBER	EXPIRATION DATE	Held BY JERICO	Held BY TRUSTEE	LOCATION OF PROPERTY	
JAMES BO	7	44026	July 15/64	Jericho		IN THE AREA TO SOUTH OF NO. 15 INDIAN RESERVE	
	8	44027	" "				
	1	17013	Nov. 9/67				
	2	17014	" "				
	3	17015	" "				
	4	17016	" "				
	5	17017	" "				
	6	17018	" "				
BOB	1	33672	June 17/64				
	2	33673	" "				
	3	33674	" "				
	4	33675	" "				
	5	33676	" "				
	6	33677	" "				
	7	33678	" "				
	8	33679	" "				
	9	33680	" "				
	10	33681	" "				
	11	33682	" "				
	12	33683	" "				
	13	33684	" "				
	14	33685	" "				
	15	33742	" 27/64				
	16	33743	" "				
	17	33744	" "				
	18	33745	" "				
		19	33746				Sept. 9/64
		20	33747				" "
		21	33790				July 11/64
		22	33791				" "
		23	33792				" "
		24	33793				" "
		25	33794				" "
		26	33795				" "
		27	33796				" "
		28	33797				" "
MARKS	1	16179	Sept. 7/65				
	2	16180	" "				
	3	16181	" "				
	4	16182	" "				
	5	16183	" "				
	6	16184	" "				
	7	16185	" "				
	8	16186	" "				
HATCH	1	16300	Sept. 20/65				
	2	16301	" "				
	3	16302	" "				
	4	16303	" "				
	5	16304	" "				
	6	16305	" "				
	7	16306	" "				
	8	16307	" "				

CLAIM NAME	CLAIM NUMBER	RECORD NUMBER	EXPIRATION DATE	HELD BY JERICO	HELD BY TRUSTEE	LOCATION OF PROPERTY
STIBBARD	1	15668	Aug. 18/64	Jericho		IN THE AREA SOUTH OF NO. 15 INDIAN RESERVE
	2	15669	" "	"		
	3	15670	" "	"		
	4	15671	" "	"		
	5	15672	" "	"		
	6	15673	" "	"		
	7	15674	" "	"		
	8	15675	" "	"		
GEM	1	34242	Aug. 29/64	"		
	2	34243	" "	"		
	3	34244	" "	"		
	4	34245	" "	"		
	5	34246	" "	"		
	6	34247	" "	"		

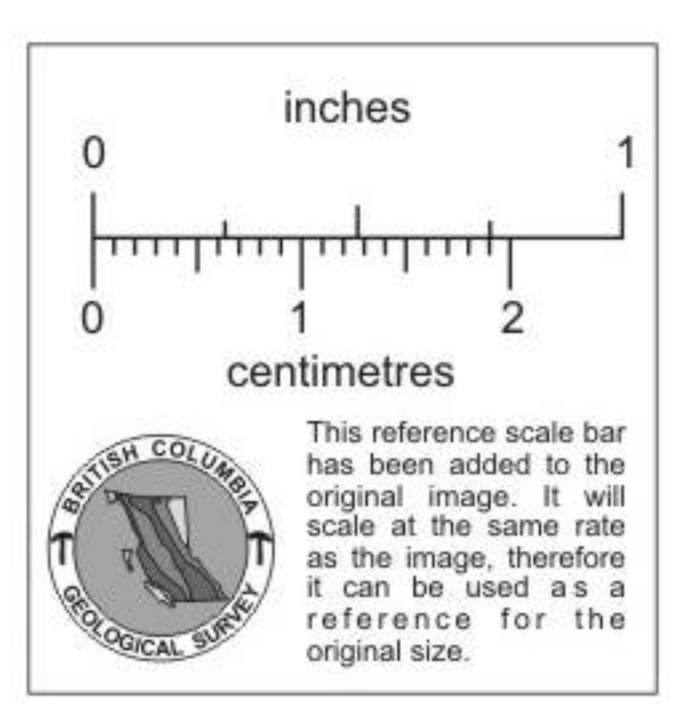
JERICHO MINES LIMITED
NPL
HIGHLAND VALLEY
BRITISH COLUMBIA.
CANADA.



57	JERICHO 58	69 JERICHO 68	1A JERICHO 1B	9 JERICHO 10
55	JERICHO 56	71 JERICHO 70	35 JERICHO 36	7 JERICHO 8
53	JERICHO 54 Copper Showings	73 JERICHO 72	33 JERICHO 34	5 JERICHO 6
51	JERICHO 52	75 JERICHO 74	31 JERICHO 32	3 JERICHO 4
MARKS 3	MARKS 2	25 JERICHO 27	JERICHO 29	11 JERICHO 2
MARKS 4	MARKS 1	26 JERICHO 28	JERICHO 30	41 JERICHO 43
MARKS 5	4 MATCH 5	38 JERICHO 39	JERICHO 40	42 JERICHO 44
MARKS 6	3 MATCH 6	12 JERICHO 13	50 JERICHO 48	JERICHO 46
MARKS 7	2 MATCH 7	14 JERICHO 15	49 JERICHO 47	JERICHO 45
MARKS 8	1 MATCH 8	16 JERICHO 17		
3 STIBBARD 4	8 STIBBARD 7	18 JERICHO 19		
1 STIBBARD 2	5 STIBBARD 6	20 JERICHO 21		
		22 JERICHO 23		
		60 JERICHO 62	64 JERICHO 66	
3 JAMES 1	2	59 JERICHO 64	63 JERICHO 65	
JAMES 6	4 JAMES	13 BOB 14	2 BOB 1	
		11 BOB 12	4 BOB 3	
		9 BOB 10	6 BOB 5	87 JERICHO 86
		17 BOB 18	8 BOB 7	85 JERICHO 84
		15 BOB 16	27 BOB 28	83 JERICHO 82
		5 GEM 6	25 BOB 26	81 JERICHO 80
		3 GEM 4	23 BOB 24	79 JERICHO 78
		1 GEM 2	21 BOB 22	77 JERICHO 76

Scale 1500'

GAZA PROPERTY




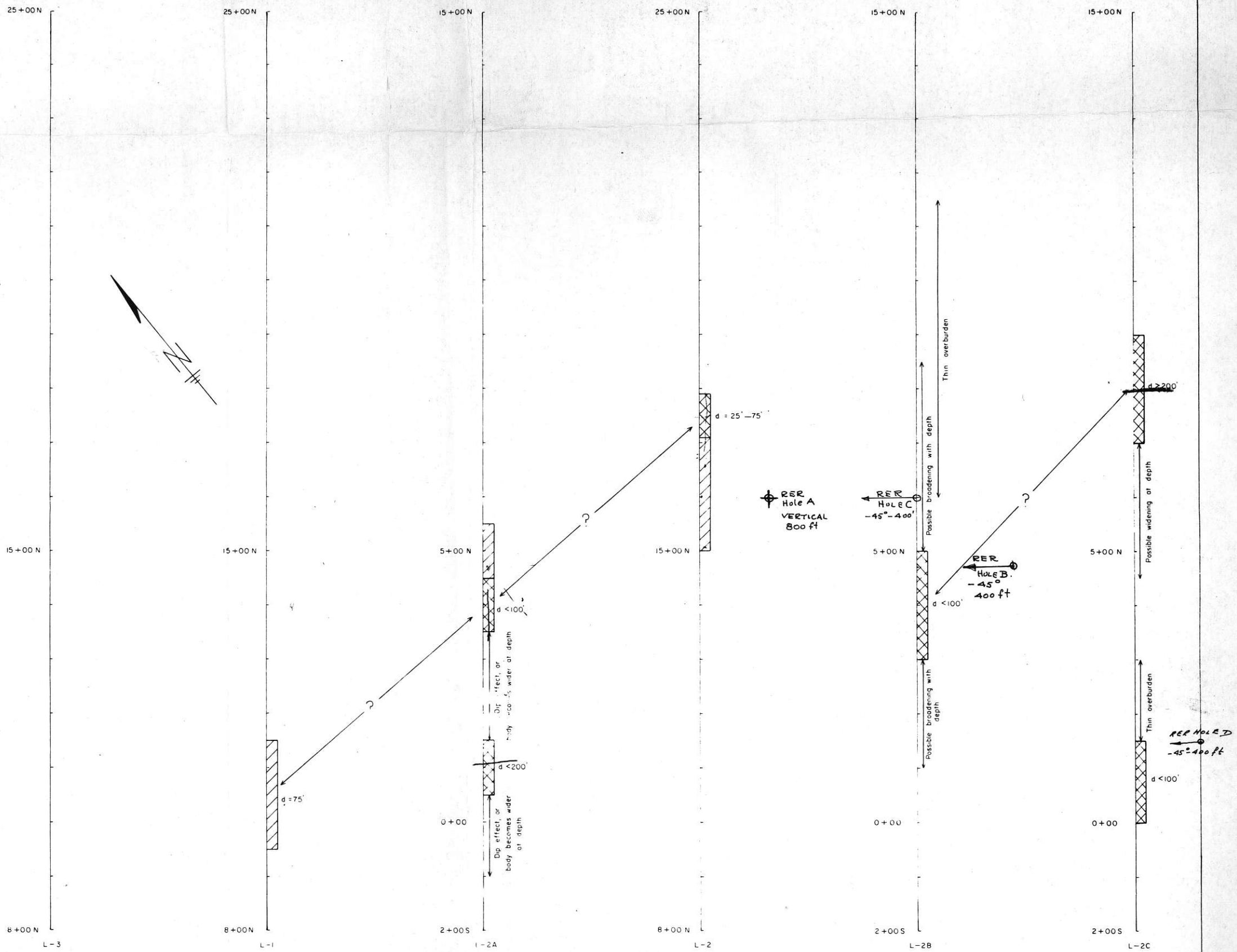
This plan has been prepared from sources believed reliable but exact locations are not guaranteed.

R. Franklin Stibbard
Vancouver 5, B. C.
April 16th., 1963.

Appendix "B", Table of Estimated Costs, Jericho Mines Ltd.

1. 2000 feet of diamond drilling @\$10.00	\$20,000.00
2. Engineering and supervision	1,000.00
3. Office, maintenance and supplies	2,000.00
4. Further IP work if required	3,000.00
5. 200 feet of diamond drilling south zone	2,000.00
6. Reserves for contingencies	7,000.00
Total	\$35,000.00


R. E. Renshaw, P. Eng
Consulting Geologist
24 Sep 63



LEGEND

Zone of special interest
 Zone of possible interest
 d < 100' Estimated limits of depth in feet
 Possible trend

R. E. RENSHAW, P. ENG.
 GEOLOGICAL ENGINEER
 MINING GEOLOGIST

PROPOSED DRILL HOLES

 24 Sep 63

JERICO MINES LIMITED
 HIGHLAND VALLEY, B.C.
 INDUCED POLARIZATION SURVEY
 DETAIL AREA
 INTERPRETATION
 SCALE 1 inch = 100 feet

HUNTING SURVEY CORPORATION LIMITED, TORONTO, CANADA
 E. B. Nichols, Geophysicist
 November, 1962

Certificate of Competency

I, Rodney E. Renshaw, hereby certify that:

1. I reside at 1361 Kings, West Vancouver, B.C.
2. That I am a graduate of the University of British Columbia and that I hold a degree of Bachelor of Applied Science in Geological Engineering And that I am a Registered Professional Engineer in the Province of British Columbia, and that I have been practising my profession as a Consulting Geologist during the past seventeen years.
3. That this report is based upon my actual field examination of the property and my personal knowledge of the claims.
4. That I have no interest either direct or indirect in the property or shares of the Company nor do I expect to receive any.



R. E. Renshaw
24 Sep 63