GEOCHEMICAL AND GEOLOGICAL REPORT

on the

JUNE AND LEDGE MINERAL CLAIMS

SLOCAN MINING DIVISION BRITISH COLUMBIA

ESPERANZA EXPLORATIONS LTD.

Owner and Operator



Latitude 118°00'W

Longitude 50° 25'N

N.T.S. 82K5 and 82L8

June 30, 1980

G. H. Rayner, P. Eng.

R. Holland

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INTRODUCTION

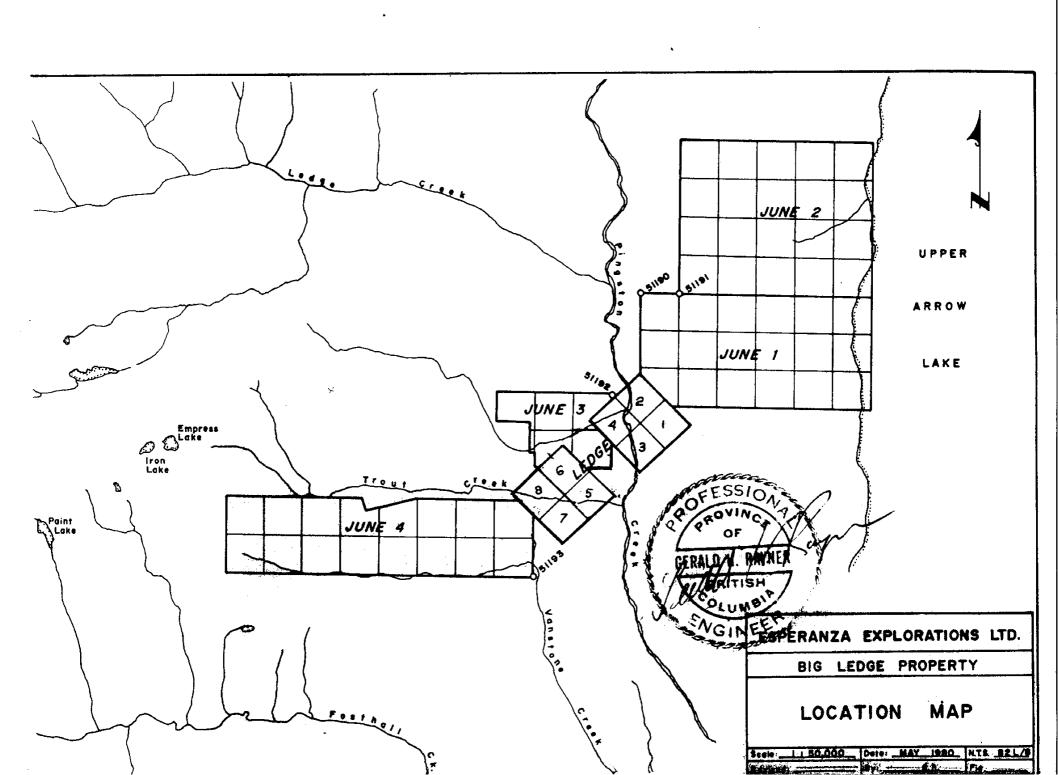
The LEDGE and JUNE claim groups lie adjacent to Cominoc's BIG LEDGE property on the west side of Upper Arrow Lake in the Slocan Mining Division of British Columbia. The property is about twenty kilometers north west of the town of Nakusp and about 50 kilometers south of Revelstoke.

Access to the ground is by a good system of well maintained logging roads. The logging road system is reached by a logging access road which leaves Highway 23 at a point 5 kilometers north of Shelter Bay and runs along the west shore of Upper Arrow Lake for some 37 kilometers to the claims area.

The original discoveries of strata-bound low grade zinc mineralization date to about 1892. Over the years the district has been held and intermittently worked by Cominco who now hold a number of Crown Granted claims covering the main mineral exposures. Cominco in the past has done work on some of the ground now included in the JUNE and LEDGE Claims. In addition, the Northwestern Syndicate carried out some work in 1965. Both of these programs included limited diamond drilling but the results are unknown.

The present owner-operator of the claims is Esperanza Explorations Ltd. of Vancouver, B.C.

During the 1979 season Esperanza carried out a soil geochemical survey and geological mapping over the ground to more clearly define the trace of the sulphide horizon through the claims and also to test for additional horizons.



GEOCHEMICAL SOIL SURVEY

Grid lines for control of the geochemical soil survey and geological mapping were laid out over the property at a line spacing of approximately 500 meters. Soil samples were collected along the lines at a spacing of 50 meters. Wherever possible the "B" soil horizon was collected.

Samples were sent to Chemex Laboratories, 212 Brooksbank Avenue, North Vancouver, B.C. for analysis. After drying and screening the 80 mesh fraction was tested for lead, zinc and silver by the atomic absorbtion method. A total of 350 samples were run. The results are presented in Schedule C and are plotted on Figure 2.

GEOCHEMISTRY - DISCUSSION OF RESULTS

In general the distribution of geochemical soil values closely reflects what is known of metal distribution from geological mapping in the area. The values were not statistically analyzed, however by inspection it appears that the values are surprisingly low in view of the amount of visible mineralization on the property. Samples over mineralized bedrock running from 1 to 4 percent zinc in some instances returned only 200 to 300 ppm. zinc in soil.

The JUNE I soil grid covers portions of the JUNE 1 and JUNE 2 Claims. Anomalous values on the eastern portion of this grid correspond closely to known mineralization. On the western portion of this grid outcrop is sparse but anomalous values are distributed in a systematic linear pattern that can be related to the bedrock trace of the mineral horizon as known from float distribution.

Some additional scattered highs also occur in the western part of the grid that may indicate the presence of more than one or two mineralized horizons. Further detailed prospecting and perhaps fill-in geochemical soil sampling would be required to clarify this point.

On the LEDGE soil grid higher values closely correspond to the trace of the known mineralized horizon. No anomalous trends noted that did not reflect mineralization outlined by geological mapping.

The JUNE 4 soil grid contains no zones of geochemical interest. The highest value for zinc (the most mobile of the three elements) was 170 ppm. It is probable (as suggested by mapping) that the main mineralized horizon does not sub-outcrop in the area covered by this grid. Some silver values on the JUNE 4 grid range up to 1.4 ppm. Although this is well above the background for the district it does not reach a range of interest for silver.

PROPERTY GEOLOGY

The western part of the property has been previously mapped by Trygve Hoỳ of the B.C. Department of Mines. The present work builds upon the work of Hoỳ and in particular, attempts to trace in detail the sulphide bearing horizon or horizons through the property.

The property is located in the south portion of the Thor-Odin Gneiss Dome on the eastern edge of the Shuswap Complex. The mineral deposits are syngenetic bedded sulphide zones in a sedimentary sequence now altered to a mixture of schist, gneiss, quartzite, calc-silicate gneiss, marble and amphibolite. Structurally the area has been folded into a series of east-west folds which appear to vary from moderately open to nearly isoclinal. One such tight fold, according to Hoy, appears to be involved in developing the large body of massive sulphide material exposed on Cominco's BIG LEDGE claims.

On the JUNE 4 claim it appears from the present and previous work that the mineralized horizon has a southerly dip and if it is present it passes through the claim at some depth.

In the LEDGE - JUNE 3 claim areas the present work has outlined the trace of the main horizon through the length of the ground. A second horizon crops out in one area to the south of the main horizon in an area to the south of the main horizon in an area of limited outcrop.

The relations of these two horizons are not clear. It may be that they are the folded repetition of a single horizon. Diamond drilling will probably be required to clarify the question.

In the JUNE 1 and JUNE 2 claim areas, there appears to be only one main mineral horizon as mapped from outcrops, rusty soil areas and float occurrences. This conclusion is supported by the geochemical results.

CONCLUSIONS AND RECOMMENDATIONS

The geological mapping and the soil geochemistry have confirmed the existence of the mineralized horizon in outcrop or sub-outcrop from the LEDGE claims through to the JUNE 2 claims.

The property warrants further investigation to locate economic zones along this horizon. The first stage should include a ground E.M. survey which should be followed by diamond drill testing.

GERALD H. RAYNER

GERALD H. RAYNER

COLUMBIA

COLUMBIA

ENGINE

Rayner, P. Eng.

R. Holland.

CERTIFICATE

- I, Gerald H. Rayner do hereby certify that:
- I am a consulting geological engineer with offices at 626 Duchess Avenue, West Vancouver, B.C.
- 2. I am a graduate of the University of British Columbia (B.Sc.Geology).
- I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
- 4. I have practiced my profession since 1958 primarily in Western North America and the South Pacific.
- I have no interest, direct or indirect in the JUNE and LEDGE claim groups or in the property or securities of Esperanza Explorations Ltd.

BRIT.: G. H. Rayner, P.Eng.
West Vancouver, B.C.

VOINE June 30, 1980

SCHEDULE "A"

CLAIM	NAME	RECORD NUMBER	DUE DATE	NO. OF CLAIMS/ UNITS	GROUP
LEDGE	1-8	825-832	August 30, 1980	8	Ledge Group 2
JUNE	1 2 3	1351 1350 1349	July 19, 1980 July 19, 1980 July 19, 1980	18 20 6	Ledge Group 1 Ledge Group 1 Ledge Group 2
	4	1348	July 19, 1980		Ledge Group 2

GROUPING:

Ledge Group 1 (June 1 and June 2 Claims)

Ledge Group 2 (Ledge 1 to 8 incl., June 3 and June 4 Claims).

SCHEDULE "B"

STATEMENT OF COSTS

LEDGE Group 1 (38 Units) June 1-2 Claims

Geochemical analyses 163 samples @ \$4.80 Camp maintenance	782.40 210.00
Geological staff -	
G.H.Rayner June 16-19/80, Sept.21, 25/79 5 days @ \$350	1,750.00
R. Holland Sept.19-22/79, June 10,11/80 6 days @ \$150	900.00
J. Jenks Sept.21-22/79 2 days @ \$150	300.00
Total:	\$3,942.40
LEDGE GROUP 2 (30 Units) (Ledge 1-8 and June 3-4 Claims	
Geochemical analyses 187 samples @ \$4.80	907.60
Camp maintenance	215.00
Geological staff:	
G.H.Rayner Sept.25/79; June 13-16/80 4 days @ \$350	1,400.00
R. Holland Sept.22-25/79 4 days @ \$150	600.00
Total:	\$3,122.60

Note: LEDGE Group 1 - One Year's work applied for JUNE 1 and JUNE 2 claims (38 claim Units)

LEDGE Group 2 - Two years' work applied for LEDGE 1-8 incl.Claims (8 Units)

One year's work applied for JUNE 3 and JUNE 4 claims (22 Units)

SCHEDULE "C"

ASSAY SHEETS

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212 BROOKSBANK AVE. NORTH VANCOUVER, B.C. CANADA V7J 2C1

TELEPHONE: AREA CODE:

TELEX:

9**84-0221** 604

043-52597

. ANALYTICAL CHEMISTS

• GEOCHEMISTS

. REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 50956

TO: Esperanza Explorations

INVOICE NO.

33178

1027 - 470 Granville Vancouver, B.C.

RECEIVED

October 5, 1979

Vancouver, V6C 1V5

ANALYSED

October 12, 1979

TN:				000	ober 12,
AMPLE NO. :	PPM	PPM	PPM		
AWI EE 140	Pb	Zn	Ag		
June 1 L1 0+00	14	1050	0.1	_	•
June 1 L1 0+50 N	12	72	0.1		
1+00	10	162	0.1	Ž,	
1+50	10	🥠 100	0.1	<u> </u>	1
2+00	2	46	0.1		\
2+50	10	/ 88	0.2	, j	}
3+00	10	^{*/} 66	0.1	1,2	
3+50	12	90	0.1		1
June 1 L1 4+00 N	6	58	0.1	~`	j
June 1 L1 0+50 S	8	920	0.1	1/	,
1+00	24	490	0.1		
1+50	20	250	0.1	~ 5	
2+00	14	230	0.1		
2+50	10	114	0.1	,	
3+00	12	164	0.2		
3+50	8	106	0.1		·
4+00	8	162	0.1	70	
4+50	10	144	0.1	4	
5+00	10	190	0.1		
5+50	3	125	0.1	','	
6+00	12	75	0.1	7	
6+50	10	110	0.1	· /	
7+00	8	145	0.1		
7 + 50	8	135	0.1	·	
8+00	6	65	0.1		
8+50	10	115	0.1	· · · · · · · · · · · · · · · · · · ·	: .
9+00	12	115	0.1		
9 + 50	10	130	0.1		* .*.
10+00	10	125	0.1		\$ \$7
10+50	8	70	0.1		
11+00	12	110	0.1		
11+50	12	120	0.1	*	<i>3</i> .
12+00	14	95	0.2		
June 1 L1 12+50 S	12	150	0.1		
June 1 L1 12+30 S	10	90	0.1		
1+00	4	70	0.1		
1+50		- 75 - 75			
	8		0.2		•
2 +0 0	4	70 130	0.1		
2+50	8	130	0.1	40	
June 1 L2 3+00 N	8	65	0.2		

CERTIFIED BY: Haut Bielle



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- ANALYTICAL CHEMISTS

• GEOCHEMISTS

REGISTERED ASSAYERS

CERTIFICATE OF AMALYSIS

CERTIFICATE NO. 50957

TO: Esperanza Explorations 1027 - 470 Granville

INVOICE NO.

33178

Vancouver, B.C.

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TELEX:

October 5, 1979

V6C 1V5

ANALYSED

October 12, 1979

ATTN:			ANALTSED	October 12, 1979
2000 5 010	PPM	PPM	PPM	
SAMPLE NO. :	Pb	Zn	Ag	
June 1 L2 3+50 N	4	65	0.1	
June 1 L2 4+00 S(A)	√ ⁷ . 2	60	0.1	
	,	100	^ 1)

June 1 L2 3+50	N	4	65	0.1	
June 1 L2 4+00	S(A) N?	2	60	0.1	ļ
June 1 L2 0+50	S	6	100	0.1	
1+00		12	110	0.1	
1+50		10	150	0.1	
2+00		8	95	0.1	
2+50		18	120	0.1	
3+00		16	110	0.2	
June 1 L2 3+50	S	10	80	0.1	
June 1 L2 4+00	S(B) 5?	14	100	0.1	
June 1 L2 4+50	S	14	120	0.1	
5+00		10	140	0.1	
5+50		20	170	0.1	
6+00		14	110	0.22	İ
6+50		18	130	0.1	
7+00		18	225	0.1	
7+50		16	160	0.1	
8+00		16	190	0.1	
8+50		10	85 ⁻	0.1	
9+00		22	190	0.1	
9+50		14	340	0.1	
10+00		10	70	0.1	
10+50		14	105	0.2	
11+00		16	70	0.1	
11+50		18	140	0.1	
12+00		10	85	0.1	
June 1 L2 12+50) g	12	40	0.1	
June 1 L3 0+00		10	35	0.1	
June 1 L3 0+50	N	14	90	0.1	
1+00		8	60	0.1	
1+50		10	75 255	0.1	
2+00		14	255)	0.1	
2+50		22	195	0.1	
3+00		28	140	0.4	
3+50		20	175	0.1	
June 1 L3 4+00	N	18	145	0.1	
June 1 L3 0+50	S	6	25	0.1	
1+00		6	60	0.1	1
1+50		8	70	0.1	1
June 1 L3 2+00	S	12	110	0.1 40	

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AREA CODE: TELEX: 043-52597

- ANALYTICAL CHEMISTS - GEOCHEMISTS

TO: Esperanza Explorations

1027 - 470 Granville

REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 50958

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October 5, 1979

ber 12, 1979

Vancouver, B.C. V6C 1V5				RECEIVED ANALYSED	Octob Octob
SAMPLE NO. :	PPM Pb	PPM	PPM Ag		
June 1 L3 2+50 S 3+00 3+50	6 12 14	40 180 130	0.1 0.1 0.1		

- 3 +2 0.50 0		40	0.1	
June 1 L3 2+50 S	6	40	0.1	
3+00	12	180		
3+50	14	130	0.1	
4+00	10	130	0.1	
4+50	14	115	0.2	
5+00	10	70	0.1	
5 +5 0	12	80	0.1	
6+00	14	120	0.1	
6+50	26	160	0.8	
7+00	14	95	0.1	
7+50	12	145	0.2	
8+00	12	190	0.1	
8+50	12	95	0.2	
9+00	12	100	0.1	
9+50	12	90	0.1	
10+00	30	170	0.1	
10+50	20	125	0.1	
11+00	20	90	0.1	
June 1 L3 11+50 S	. 14	130	0.1	
June 1 L4 0+00	14	80	0.1	
June 1 L4 0+50 N	6	100	0.1	
1+00	4	85	0.1	
1+50	10	80	0.1	
2+00	2	40	0.1	
2+50	18	120	0.1	
June 1 L4 3+00 N	8	65	0.1	
June 1 L4 0+80 S	6	80	0.1	
2+00	4	60	0.1	
2+501	8	115	0.1	
3+00	6	90	0.1	
3+50	8	100	0.1	
4+00*	ĭo	200	0.1	
4 + 50	12	120	0.1	
5+00	14	140	0.1	
5+50	14	80	0.1	
6+00	24	160	0.1	
6+50	22	330	0.1	
		220	0.1	
7+00	16	160	0.1	. 1 .
7+50	12	60	0.1	40
June 1 L4 8+00 S	10	00	Λ•Τ	



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1027 - 470 Granville

Vancouver, B.C.

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October 5, 1979

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October 12, 1979

SAMPLE NO. :	PPM	PPM	PPM	
	Pb	Zn	Ag	
June 1 L4 8 +50 S	4	65	0.1	
9 +00	6	100	0.1	
. 9+50	4	65	0.1	
10 +00	10	100	0.1	
10+50	_10	115	0.1	
11+00	10	165	0.1	
June 1 L4 11+50 S	12	110	0.2	
June 1 L5 0+00 N	4	30	0.1	
0+50	10	110	0.1	
1+00	14	60	0.1	
June 1 L5 1+50 N	12	90	0.1	
June 1 L5 0+50 S	22	700	0.1	
1+00	4	60	0.1	
1+50	6	180	0.1	
2+00	8	(300)	0.1	
2 +65)	4	230	0.1	
2793 5,14	4	150	0.1	
3+00	8	130 .	0.1	
3+50	12	165	0.1	
4+00	18	185	0.1	
4+50	10	85	0.1	
5±00 , ,	14	150	0.1	
5+29 511	10	75	0.1	
5+50	6	50	0.1	
6+00	12	90	0.1	
6+50	20	215	0.8	
7+00	12	135	0.1	
7+50	10	170	0.1	
June 1 L5 8+00 S	12	160	0.1	
June 1 L5 8+50 W	14	80	0.1	
June 1 L5 9+00	16	125	0.1	
June 1 L5 9+50 S	20	400	0.1	
June 1 L6 0+50 W	16	110	0.1	
1+00 ,	10	130	0.1	
1,000 e;/8	4	50	0.1	
1+22 +i\h 1+50	10	20	0.1	
2+00	8	70	0.1	
2+50	14	150	0.1	
		105	0.1	40
3+00	10	160	0.1	
June 1 L6 3+50 W	14	100	U. I	

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TO:

CHEMEX LABS LTD.

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TELEPHONE:

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October 12, 1979

TTN:				ANALYSED	October 12, 1
SAMPLE NO. :		PPM	PPM	PPM	
SAMPLE NO. :		Pb	Zn	Ag	
June 1 L6	4+00 W	16	/330	0-1	
	4+50	20	130	(0.6)	
June 1 L6	5+00 W	16	120	0.1	
June 4 0+00E	0+50 N	14	40	0.1	
	1+00	16	85	0.1	··
	1+50	14	80	0.1	
	2+00	12	40	0.2	
	2+50	10	70	0.1	
June 4 0+00E	3+00 N	12	50	0.1	
June 4 0+00E		34	60	0.1	
June 4 0+00E	0+50 S	10	60	0.2	
June 4 G.DOD	1+00	12	65	0.1	
	1+50	14	60	0.1	
	2+00	14	60	0.1	
	2+50	12	85	0.1	
	3+00	12	100	0.1	
te-	3±08 5114	56	120	0.1	
•	3+50	10	100	0.1	
	4+00	16	50	0.1	
	4+50	20	120	0.1	
June 4 0 +00E	5100 S	16	110	0.1	
June 4 5+00E	2100 0	14	70	0.1	
June 4 5+00E	0+50 N	18	140	0.1	
June 4 Jivoe	1+00	16	85	0.4	
	1+50	10	45	0.1	
June 4 5+00E	2+00 N	20	30	0.1	
June 4 5+00E	0+50 S	12	45	0.1	
Julie 4 Jivob	1+00	14	75	0.1	
	1+50	8	90	0.1	
	2+00	12	95	1.0	
pr 8°	2+50	12	85	0.1	
	3+00	10	70	0.2	
m.t.	4+00	14	50	0.4	
	4+50 4+50	16	85	0.2	
Turn & ELOOP		12	75	0.1	
June 4 5+00E June 4 10+00E	5+00 S	14	170	0.1	
June 4 10+00E	0+50 N	16	195	0.1	
June 4 IUTUUK		16	100	0.1	
	1+00	18	220	0.6	
T / 30100=	1+50	20	40	0.4 40	
June 4 10+00E	2+00 N	20	40	V. T	

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CERTIFICATE OF AMALYSIS

CERTIFICATE NO. 50961

INVOICE NO.

33178

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October 5, 1979

ANALYSED

October 12, 1979

TO:	Esperanza l	Explorations
	1027 ~ 470	Granville
	Vancouver.	B.C.

V6C 1V5

FTN:			ANALYSED	October 12, 19
CASARI E NO	PPM	PPM	PPM	
SAMPLE NO. :	Pb	Zn	Ag	
June 4 10+00E 2+50 N	26	70	0.1	
June 4 10+00E 1+00 S	14	75	0.2	
1+50	14	50	0.2	
2+00	18	50	0.1	
2+50	12	95	0.1	
3+00	16	50	0.2	
3+50	10	70	0.1	
4+00	14	80	0.1	
4+50	12	50	0.1	
June 4 10+00E 5+00 S	20	35	0.1	
June 4 12+50E 0+50 S	24	75	0.2	
1+00	16	120	0.1	
1+50	16	75	0.1	
(1+8) 4	(34)	85	0.1	
2+00	26	85	0.1	
2+50	18	110	0.1	
3+00	20	70	0.2	
3+50	14	70	0.2	
4+00	16	65	0.1	
4+50	10	115	0.2	
June 4 12+50E 5+00 S	14	140	0.1	· · · · · · · · · · · · · · · · · · ·
June 4 15+00E	20	50	0.2	
June 4 15+00E 0+50 S	14	70	0.4	
0+70 Sil+	16	130	0.2	
1+00	8	30	0.4	
1+50	16	120	0.1	
2+00	16	65	0.2	
2+50	18	105	0.1	
3+00	14	130	0.2	
3+50 	12	95	0.1	
	14	115	0.1	
4+00 2+36) 5,1X	38	110	0.1	
4+50	16	60	0.2	
5100	28	100	0.1	
	32	110	0.1	
5 7 45 43	14	50	0.2	
6 + 00	10	60	0.4	
	12	40	0.1	
6+50 7+00	8	65		10
7+00	8	70	0.1	·{ °
June 4 15+00E 7+50 S	<u> </u>	//	U.L	

CERTIFIED BY: ...



212 BROOKSBANK AVE. NORTH VANCOUVER, B.C. V7J 2C1 CANADA

TELEPHONE: AREA CODE:

TELEX:

604

043-52597

ANALYTICAL CHEMISTS

· GEOCHEMISTS · REGISTERED ASSAYERS

CEPTIFICATE OF ANALYSIS

CERTIFICATE NO. 50962

INVOICE NO.

33178

RECEIVED

October 5, 1979

ANALYSED

October 12, 1979

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TO: Esperanza Explorations 1027 - 470Vancouver, B.C.

V6C 1V5

			ANACISED	October 12, 197
	PPM	PPM	PPM	
	Pb	Zn	Ag	
8+00 S	10	55	0.1	
8∳50	10	75	0.2	
9+00	10	50	0.4	
9+50	14	70	0.4	
10+00	10	65	1.4	
10+50	8	140	1.4	
11+00	12	70	0.2	
11+50	8	80	0.1	
12+00	8	90	0.1	
12+50	10	100	0.1	
13+00	10	160	્૦.ફ⊃	
13+50	18	100		
14+00	10	170	(1.0)	
14+50	8	75	0.1	
15+00	8	60	0.2	<u></u>
15+50	8	130	0.1	
16+00	6			
	12			
	12			
	8			
	14	70		
	(36)			
	8			
	10			
		55		
	2			
3+50 N	8	55	0.1	
	8+50 9+00 9+50 10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50 15+00	Pb 8+00 S 10 8+50 10 10 9+00 10 10 9+50 14 10 10+50 8 11+00 12 11+50 8 12+00 8 12+50 10 10 13+00 10 10 13+50 18 14+00 10 14+50 8 15+50 8 15+50 S 12 10+50 S 12 11+00 10 10 11+50 8 12 12+50 8 12 13+00 18 13+50 10 14+00 14 14 14+50 10 15+00 8 15+50 8 17+00 S 0+50 N 8 1+00 10 1+50 2+00 6 2+50 2 3+00 4 4	Pb Zn 8+00 S 10 55 8+50 10 75 9+00 10 50 9+50 14 70 10+00 10 65 10+50 8 140 11+50 8 80 12+50 8 90 12+50 10 100 13+00 10 160 13+50 18 100 13+50 18 100 14+00 10 170 14+50 8 75 15+00 8 60 15+50 8 130 16+00 6 100 16+50 S 12 90 10+50 S 12 90 11+50 8 75 12+50 8 60 11+50 14 70 12+50 8 60 13+00 18 25	8+00 S 10 55 0.1 8+50 10 75 0.2 9+00 10 50 0.4 9+50 14 70 0.4 10+00 10 65 1.4 10+50 8 140 1.4 11+50 8 80 0.1 12+50 10 10 0.2 11+50 8 90 0.1 13+50 18 100 0.2 14+50 10 10 100 0.1 13+50 18 100 0.2 14+50 10 10 100 0.1 13+50 18 100 0.2 14+50 8 75 0.1 15+50 8 130 0.1 16+50 8 130 0.1 15+50 8 60 0.2 15+50 8 60 0.2 15+50 8 60 0.2 11+50 8 60 0.1 11+50 8 60 0.1 11+50 8 60 0.1 11+50 8 60 0.1 11+50 8 60 0.1 11+50 8 130 0.1 16+50 S 12 90 0.1 11+50 8 130 0.1 16+50 S 12 60 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 8 75 0.1 11+50 10 60 0.1 11+50 10 80 0.1 11+50 10 80 0.1 11+50 10 80 0.1 11+50 10 80 0.1 11+50 10 80 0.1 11+50 10 80 0.1 11+50 10 80 0.1 11+50 10 10 50 0.1 11+50 10 50 0.1 11+50 10 50 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 55 0.1 1+50 10 0.1 1+50 10 0.1 1+50 10 0.1 1+50 10 0.1 1+50 0.1 1+50 0.1



TO:

CHEMEX LABS LTD.

212 BROOKSBANK AVE. NORTH VANCOUVER, B.C. CANADA V7J 2C1

TELEPHONE: AREA CODE:

964-0221 604

043-52597

. ANALYTICAL CHEMISTS

GEOCHEMISTS

· REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 50963

Esperanza Explorations INVOICE NO.

33178 1027 - 470 Granville

Vancouver, B.C.

V6C 1V5

RECEIVED

TELEX:

October 5, 1979

ANALVEED

ATTN:				ANALYSED	October 12, 19
SAMPLE NO. :	PPM	PPM	PPM		
	Pb	Zn	Ag		
Ledge 1 0+50 S	8	70	0.1		
1+00	10	1100	0.1		
1+50	18	430	0.1		
1+86 silt	16	270	0.1		
<u>2+00</u>	2	55	0.1		
270) silt	14	430	0.2		
2+50	8	80	0.1		
3+00	14	205	0.1		
3+50	6	140	0.1		
4+00	8	90	0.1		
4+50	10	150	0.1		<u> </u>
5+00	14	120	0.2		
5 + 50 `	10	110	0.1		
6+00	8	125	0.1		
<u>6+</u> 50 ブ 0 0	10	90	0.1		
7+90	10	170	0.1		
7+50	14	90	0.1		
8+00	12	105	0.1		
8+50	20	90	0.1		
9+00	16	130	0.1		
9+50	10	150	0.1		
10+00	14	140	0.2		
10+50	10	105	0.1		
11+00	8	110	0.1		
Ledge 1 (11+40)S si/f	12	265	0.1		
Ledge 2 0+00	8	120	0.1		
Ledge 2 0+50 S	18	125	0.1		
1+00	20	100			
1+50:	12	100	0.1 0.1		
2+00	10	55 55			
2+50	20	95	0.1		
3+00	12	140	0.1		
3 + 50	6		0.1		
4+00	18	125 260	0.1		
4+08 six	18	300	0.1		
4+50	20	170	0.1	 -	
5+00	20 184 14 38	170 600	0.1		
5 +5 0	104		0.1		·
6+00	70	200	0.1		
	(30)	245	0.2		
Ledge 2 6+50 S	14	170	0.1		

MEMBER

CANADIAN TESTING ASSOCIATION

CERTIFIED BY:



212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: AREA CODE: TELEX: 04

604 043-52597

964-0221

. ANALYTICAL CHEMISTS

GEOCHEMISTS

· REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 50964

Esperanza Explorations INVOICE NO.

NVOICE NO. 33178

1027 - 470 Granville Vancouver, B.C.

RECEIVED

October 5, 1979

V6C 1V5

ANALYSED

October 12, 1979

TTN:				ANALYSED	October 12, 1
SAMPLE NO. :	PPM	PPM	PPM		
	Pb	Zn	Ag		
Ledge 2 7+00 S	16	120	0.1		
7+50	10	140	0.1		
8 +0 0	18	120	0.2		
8+50	8	70	0.1		
9+00	16	155	0.1		······································
9+50	12	80	0.1		
10+00	10	90	0.1		
10+50	10	125	0.1		
11+00	12	125	0.2		
Ledge 2 11+50 S	10	95	0.2		
Ledge 3 0+00	10	140	0.1		
Ledge 3 0+50 N	10	120	0.2		
1+00	10	210	0.1		
Ledge 3 1+50 N	14	115	0.1		
Ledge 3 0+50 S	20	70	0.1		
1+00	6	55	0.2		
1+50	6	105	0.1		
2+00	8	70	0.1		
2+50	6	80	0.1		
3+00	8	80	0.1		
3+50	18	90	0.1		
4+00	4	25	0.2		
4+50	(74)	1300	0.2		
5+00	6	115	0.1		
5+50	4	50	0.2		
Ledge 3 (5+80) Stilt	10	70	0.2		
BL ~32	1,2	880	0,1 -	•	
⊬ 3 3	100	110	0.1_		
ν <u>3</u> 4	14	100 -	01 =		
- (3)	12 10 14 10	100	0 1		
: 36	10 12	80	0.1		<u> </u>
3	12	80 99 65 - 75 -	0. 2		
38	10	63 -	0 1		
39	10 10	75 -	0 1	•	
	16	110	0 1		
	∕8	110 - 55 - 190 - 180 - 500 -	-0-1		
\ ^57 -	8	19 0 —	0 1		
√58 ⁻	8	180 —	0\$1		
259	8 8 16 8	<u> </u>	0 1 0 2 0 1		
BL 6 6~	8	90 -	οĒτ		

CERTIFIED BY: HOURSING



212 BROOKSBANK AVE. NORTH VANCOUVER, B.C. CANADA V7J 2C1

TELEPHONE: AREA CODE:

604 043-52597

984-0221

TELEX:

EX:

ANALYTICAL CHEMISTS

TO: Esperanza Explorations

Vancouver, B.C.

1027 - 470 Granville

- GEOCHEMISTS

. REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 50965

INVOICE NO.

33178

RECEIVED

October 5, 1979

ANALYSED

October 12, 1979

VALCOUVEL,	, 5.0 ,		
	PPM	PPM	PPM
SAMPLE NO. :	Pb	Zn 🥖	Ag
BL-67	10	170	0.1
√68	32	(800)	0.1
V71	8	110 /	0.2
√72	18	(380)	0.4
√74	10	175	0.2
√75	16	235 —	0.2
BL ~76~	10	70	(1.0)

HarrBielle

CTA

MEMBER

CERTIFIED BY: ...

