Received Feb 12/87

446 Roosevelt Avenue, OAKHURST, N. J. 07755 (201) 531-2426

January 30, 1987.

Mr. R. Terry Heard, 818 Clements Avenue, North Vanccuver, B. C. V7R - 2K7

Dear Terry: Massive and Disseminated Sulphides on J&L.

I may be wrong about the disseminated sulphide carrying considerable zinc? No doubt Pegg would be able to tell you almost immediately, or with very little work?

I took three representative samples of the massive sulphide taken at the Creek Level tunnel; the old J&L Tunnel, and further to the south along old drift. The width of sulphide was approximately the same at all three locations, so figured the average should be reasonably close to what the Massive averaged, at least in the old workings. Unless the vein changes materially in the new workings one should be able to assume that average is in the ball park. It is as fellows:

Creek Level	Au 0z 0.30	Ag •z 2.80	As % 7.91	Pb % 4.0	Zn % 6.94
J&L Tunnel	0.37	5.70	9.39	7.25	13.85
#2 Shaft Area	0.36	6.73	7.28	9.18	15.68
Massive Sulph			24.58 ivide by		36.47 get average
ide Average	0.34	5.1	8.19	6.84	12.16

Your Average
of Dissemines
ated and Masse
ive sulphide. 0.14 1.22 3.55 1.46 2.95
Assume Massive one-third of total Tonnage
gives Massive Sulphide: (Assuming nothing in
Disseminated Fraction)

0.42 3.66 10.65 4.38 8.85

This indicated the Disseminated Sulphide carries:

Geld (0.34 to 0.42) As above average.

Arsenic (8.19 to 10.65) As above average.

This indicates the Dissemirated ores carry some auriferous Arsenopyrite, but virtually nothing else R. T. Heard, J&L Massive & Disseminared Sulphides

On the other hand there appears to be little silver, lead and zinc in the Disseminated Material, if any.

Silver (5.1 against 3.66) Too much in Massive Average

Lead (6.84 against 4.38) Too Much in Massive Average.

Zinc (12.16 against 8.85 Too Much in Massive Average.

The above analysis indicates that if the ores from latest work are similar to those in old workings the Disseminated Sulpside contains ARSENOPYRITE AND SOME GOLD, but VIRTUALLY NO SILVER, LEAD AND ZINC.

I would like to clarify this matter soon as pessible.

Very truly yours,

LAKEFIELD	RESEARCH	OF	CANADA	LIMITED
	LAKEFIELD.	ON	TARIO	
	0 A N A	DA		

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	12	B							Desember	
7	13	3	From 1			1	0 5		7019368	19/7
7	Ni	12	. From t	Creek	Tun	nel-	Our Re	elerence No	7017300	
0	11	1						Involce No	9066 .	
7	1	11 1	Samples submit	ted to us a	how result	as follows:				
7	X	Ad								
7	3	18	Sample Number		% Cu	26 7.n	% Pb	% As	°', WO.	% Sb
7	1-12	129	JL No. 1		0.08	7.06	5.17	8.39	0.007	0.03
,	12	12	JL No. 2 JL No. 3		0.03	9.72	2.25	6.81	0.007	0.02
	13	1 2	JL No. 4		0.07	6.29	4.06	5.26	0.003	0.60
	1.5	1 %	JL No. 5	,	0.18	6.97	4.84	4.01	0.008	0.11
1	10.	1 7	JL No. 7		0.03	0.10	1.49	0.25	0.008	0.00
	0	2	JL No. 8		0.18	10.66	9.79	1.32	0.006	0.071
	0	2	J1 No. 9 JL No. 10		0.13	4.67 8.56	8.52	1.58	0.013	0.043
1	18	3		**						
1	171	7		*						
)	15	8	Sample Number			Au oz/ton		Ag oz/ton		
1	0	-	JL No. 1			0.320		2.86		
1	10	the	JL No. 2	25		0.350		1.21		
1	12	0%	JL No. 3 JL No. 4			0.290		2.84		
	. \	3	JL No. 5			0.160		3.99		
	Q	2	JL No. 6			0.005		0.07		
-	50	7	JL No. 7 JL No. 8			0.480		0.88 6.65		
11	1	2	JL No. 9			0.890		2.11		
71	0	00	JL 20. 10			0.230		6.11		

To: Hr. S. Siscos (2) SIGNED_

A.G. Scoble, P. Eng.

Analysis and Assaying . Mineral Prosessing Research . Pilot Plant Investigations

Arithmetic Average

au0.110%	As7.910%
Zn6.936%.	W030.0078%
Pb3.996%	. Au0.2995 Oz/T
Sb0.0553%	Ag3.8050 0z/T

FILE NO. 21793

CABLE ADDRESS: "ELDRICO"

HEAD OFFICE AND LABORATORIES: 633 HORNBY STREET VANCOUVER 1. B.C.

PHONE TATLOW 1267

Certificate of Assay

G. S. ELDRIDGE & CO. LTD.

G. S. ELDRIDGE, B.SC.

MEMBER OF
CHEMICAL INSTITUTE OF CANADA
CANADIAN INSTITUTE OF MINING AND
METALLURGY
AMERICAN SOCIETY FOR TESTING
MATERIALS
AMERICAN CHEMICAL SOCIETY

AMERICAN SOCIETY, OF METALS

PROVINCIAL ASSAYERS, ANALYTICAL AND CONSULTING CHEMISTS
METALLURGICAL AND CEMENT INSPECTORS

THE Dereby Certify that the following are the results of assays made by us upon samples of QRE berein described and received from Old Tunnel Workings (Mr.T.F. Arnold) Herch 2, 19 57 GOLD SILVER TOTAL VALI LEAD VALUE OUNCES VALUE VALUE MARKED OUNCES VALUE VALUE PER TON PER TON PER TON CENT. CENT. PER TON PER TON PER TON PER TON (2000 LBS.) 1:502 0.40 14.00 6.7 5.30 -18.55% 13.20 Tron--16503 0.32 7.5 6.60 11.20 Arsenic 13.05 16504 0. 32 11.20 5.0 8.45 Insoluble-----16.85% 13.30 16505 0.32 5.7 8.05 11.20 15.05 Sulphur 16506 0.32 11.20 8.65 13.70 Copper-16507 9.80 6.2 0.28 7.05 Cadmiun 12.10 16508 0. 32 11.20 6.0 8.90 15.20 Antimony----16509 0.44 15.40 5.6 6.70 14.95 Bismuth race 16510 0.44 15.40 7.05 4.9 Tungsten----13.10 16511 0.36 12.60 5.2 6.95 14.65 Tin---16512 0.36 12.60 6.15 5.0 15.20 16513 0.44 15.40 4.9 6.45 13.15 16514 0.48 16.80 5.6 7.00 13.45 Massive Sulphides ONLY. Mine grade one half of above Samples taken 20 feet apart. PRITHMETIC. AVERAGE 5.7 7.25 0.37 13.85

3M-MP

Gold calculated at \$ 35.00 __per ounce.

Silver calculated at ______per ounce.

Calculated at ____ cents per lb.

Calculated at _____cents ber lb.

d_____

NOTE.—Samples only retained 3 months unless otherwise specified

Provincial Assaye



er Testing

TELEPHONE 306

Swastika, Ont., August 23rd, 1963

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

We have assayed	samples of	ore
Received Aug. 14th, 1963	and submitted by T. E. Arnold,	Esq., P. O. Box 362,
PLAINFIELD, NEW JERSEY,		with the following results:
e Number - Not Indicated.	Representative one fro	m teannel sulphic

	D PER TON SIL							
Ozs.	Value @ \$35.00	Ozs.	Z	%	%	8	d's	Z
0.36	\$12.60	6.73	0.31	9.18	15.68	22.61	7.28	14.22

NOTE:-

Sampl

The whole sample, weighing 67 pounds, was crushed and rolled to pass a ten mesh screen, and a portion representing one eighth of it (about eight pounds) was cut from it using a Jones riffle. This portion was ground to pass forty mesh, and cut into two parts with the Jones riffle. Each part was further reduced by riffling until it represented one eighth of the original eighth, or about one pound. Each of these pound fractions was pulverized for assay, forming Pulp A and Pulp B. Pulp A and Pulp B were each assayed for gold and silver, and gave identical results, indicating that the sampling procedure was adequate for the type of ore involved.

SWASTIKA LABORATORIES LIMITED,

In accordance with long-established North American custom, unless it is specifically stated otherwise gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

an.



P.O. DRAWER 10

Swastika, Ont., October 11,1219.

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis No......35390-A

We have assayed samples of T. E. Arnold, Esq. with the following results:

Sample Cadmium Sulphur No. Sample 0.10 27.10

SWASTIKA LABORATORIES LIMITED,

per: 5.6. 3.....

In accordance with long-established North American custom, unless it is specifically stated otherwise gold and silver values reported on these sheets have not been adjusted to compensate for losts and gains inherent in the fire as ay process.