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92INE009 SUN 92119 -07 CLAIM 92INE009

A
Property Report

on
the

Dave, Don, Map and Sun Claims

for

Leemac Mines Limited N.P.L.

by

C.T. Pasleka, P.Eng.

April 21, 1976

PROPERTY FILE

SUMMARY

Leemac Mines Ltd. (NPL) have recently acquired a property hereinafter referred to as the Sun Group in the Knutsford area, Kamloops Mining Division, Province of British Columbia. The area of the property is underlain by Nicola Volcanics and Coast Intrusives, both found to host cupriferous mineralization in the area and especially to the north and north west on adjoining properties.

A phased exploration programme consisting of claim survey, line cutting, I.P. survey and geochemical soil sampling followed by percussion drilling is recommended in an attempt to discover and delineate any occurrences of copper sulphide mineralization lying within the limits of the property. Such a programme would entail the initial expenditure of some \$15,900.00

PROPERTY

The property consists of some fourteen full sized claims and fractions located under the old system plus a new claim comprised of six units located under the new regulations. The claims in the main form a contiguous group however a survey is to be undertaken shortly to determine the actual limits of the property. The claims under discussion are recorded in the mining records office in Kamloops, B.C. and are located in the Kamloops mining Division, Province of British Columbia.

The claims comprising the group, hereinafter referred to as the Sun Group, are as follows:

Dave 1B Fraction	109972	April 13
Dave 26	106861	March 10
Dave 28	106863	March 10
Dave 44A	107449	March 22
Don 2 Fraction	110691	April 18
Don 3 Fraction	110692	April 18
Don 4 Fraction	110693	April 18
Don 5 Fraction	110694	April 18
Don 6 Fraction	110695	April 18
Don 7	123078	October 23
Don 8	123079	October 23
Don 9	123080	October 23
Map 3	123137	November 16
Map 4	123229	November 29
Sun (six units)	131(10)	

LOCATION AND ACCESS

The property is situated some eight miles SW of the City of Kamloops, B.C. and a mile and a half ESE of Jacko Lake in the Kamloops Mining Division, Province of British Columbia. The property would have the coordinates 50 120 NE. Facile access is available by means of the Goose Lake road from Knutsford on No. 5 Highway and by means of several ranch roads which traverse the property. The City of Kamloops affords ample access by means of highway, rail and air routes to all major centers in western Canada. In addition it acts as a center for supplies and labour.

TOPOGRAPHY AND VEGETATION

The northern half of the property is rolling open rangeland while the southern portion is tree covered with sub commercial fir, spruce, and poplar. The ravines containing intermittent water courses are usually overgrown with alder and willow. The elevation is approximately 3500' ASL with variations of the order of plus or minus 100'. Supplies of water for exploration purposes would necessitate trucking except during spring runoff.

GEOLOGY

The area of the property overlies contact between members of the Coast Intrusive Series of Jurassic age and the Nicola Volcanics of Upper Triassic age. The aforementioned rocks are occasionally overlain by rhyolite, andesites and basalts, members of the Kamloops Group occurring as outliers. The Nicola Group is represented by greenstone, andesite, basalt and tuffs. The Coast Intrusive Series is

usually dioritic or syenitic in composition and on occasion may be represented by an extreme differentiate consisting of plerite basalt.

There is a strong structural lineation striking NW with a secondary jointing approximately normal to the main lineation, both with near vertical dips. In addition there is a poorly developed shear direction dipping flatly to the SW.

MINERALIZATION

Pyrite and chalcopyrite mineralization occurs in the area as disseminations in the mass and lining minor fractures. Immediately to the NW, Cominco Ltd. have outlined an area by means of diamond drilling containing 10 million tons of 0.5% copper. Within the limits of the property drilling and other exploration work by Inland Copper Mines in the early fifties indicated limited values in copper. Immediately to the north of the Sun Group and to the west of Cominco, drilling carried out by Makao Development Co. Ltd. indicated several short sections of ore grade material in 1972 and 1973. Outcrop available for observation is relatively scarce and exploration activity would necessarily be restricted to geophysical surveys and drilling.

HISTORY

The history of the property and the area to the south is not well known with the exception of the work carried out by Inland Copper Mines Ltd. and reports covering that activity are not available. The western portion of the property was subjected to detailed geological mapping by New Minex Resources Ltd. in 1973. Immediately to the south of the Sun Group occurs a series of quartz veins worked for gold by

a Mr. Graham up to 1950, however detail is lacking again.

To the north and northwest exploration activity has been sporadically very active since 1954 with the discovery of several small bodies of ore grade material, however, with the exception of the Afton ore body these have been sub economic in size. Currently exploration activity is proceeding at an accelerated pace.

CONCLUSIONS AND RECOMMENDATIONS

The area of the property under discussion is underlain by members of the Coast Intrusive Series and Nicola Volcanics, and offer an environment conducive to the deposition of cupriferous mineralization. In addition it is reported that previous exploration revealed minor copper mineralization occurring on the property. Copper mineralization of greater extent is known to exist on adjoining properties to the north and north west. It is concluded, therefore, that an exploration programme would have a reasonable chance of discovering a body of sufficient tenor and mass to justify economic extraction using modern exploration methods. A phased programme to accomplish the above end would proceed as follows:

PHASE 1

- A. A compass chain survey to determine the limits of the property.
- B. Line grid to establish geographical control for the exploration programme.
- C. I.P. survey using frequency domain method to locate and delineate areas of high chargeability.
- D. Geochemical soil sampling survey to detect areas of cupriferous mineralization emanating from bedrock surface by capillary action through the overburden cover.

PHASE 2

- A. Percussion drilling programme to sample at depth anomalous conditions indicated by the geophysical and geochemical surveys.

Estimated costs for the programmes outlined above are as follows:

Phase 1

a. compass chain survey	\$1500.00
b. line cutting 15 mi @ \$100./ mi	1500.00
c. IP survey 15 mi @ \$400/mi	6000.00
d. Geochemical survey 15 mi @ \$250/mi	3750.00
e. Consulting and Supervision	1500.00
f. Contingency @ 20%	2650.00
	<hr/>
	\$15,900.00

Phase 2

a. Percussion drilling	\$21,000.00
b. Sampling and assaying	3,000.00
c. Consulting and Supervision	3,000.00
d. Contingency @ 20%	5,200.00
	<hr/>
	\$32,200.00

Total of Phase 1 and Phase 2 \$48,100.00

It is to be noted that the execution of Phase 2 is dependant upon the results of Phase 1.

Respectfully submitted,



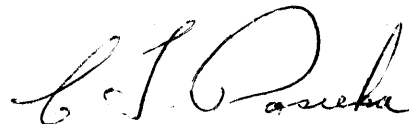
C.T. Pasieka, P.eng.

CERTIFICATION

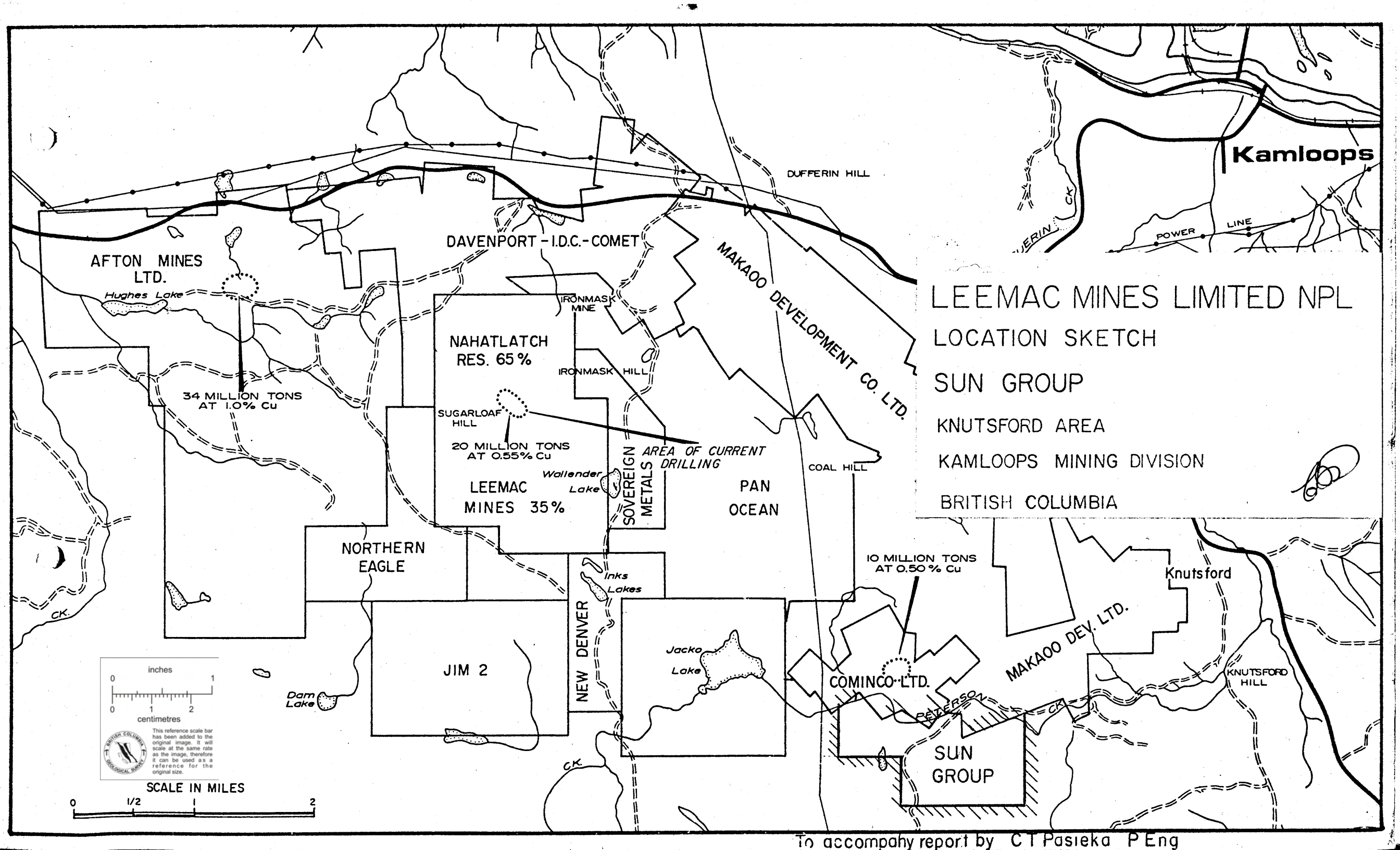
I, Clemens Terence Pasleka, of the City of Kamloops, Province of British Columbia, hereby certify that:

1. I am a geologist and reside at 138 St. Paul Street, Kamloops, B.C.
2. That I am a graduate of University College, Dublin, B.Sc. 1963.
3. That I have been practicing my profession as a geologist for twelve years.
4. That I am a member of the Associations of Professional Engineers of Alberta, Saskatchewan, and British Columbia.
5. That I have no interest directly nor indirectly in the property of Leemac Mines Ltd. N.P.L., nor in the securities of Leemac Mines Ltd. NPL.
6. That this report is based on personal experience in the area and from private and Government publications relevant to the area.

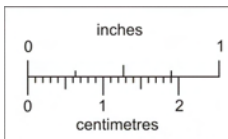
Dated this 21st. day of April, 1976, City of Kamloops, Province of British Columbia.



C.T. Pasleka, B.Sc. P.Eng.



LEEMAC MINES LIMITED NPL
 LOCATION SKETCH
 SUN GROUP
 KNUTSFORD AREA
 KAMLOOPS MINING DIVISION
 BRITISH COLUMBIA



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

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