

# 6123

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A REPORT

ON

PERCUSSION DRILLING PROGRAMME

ON THE SUN CLAIM

JOCKO LAKE AREA

KAMLOOPS MINING DIVISION

BRITISH COLUMBIA

FOR

L.M.C. RESOURCES LTD.

by

C.T. Pasieka, P-Eng.

December 1, 1976

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

NO. \_\_\_\_\_

## SUMMARY

During the summer months of 1976 an exploration programme of line cutting, geochemical soil sampling and IP survey was followed by a small programme of 1200' of percussion drilling. The purpose of the programme was to sample at depth an area of anomalous geochemical and IP response. The drilling indicated a lenticular northerly dipping zone of cupriferous mineralization of moderate grade, i.e. 0.42% Cu over a width of a few feet. Additional drilling would be required in order to delineate the mineralization.

Map

#1

Geochemical Map (Copper)

#2

Location of Perc. Drilling

## PROPERTY

The property under discussion consists of some fourteen located mineral claims and fractions in addition to the Sun Claim consisting of six units.

Sun	{6 units}	131-110}	
Dave 1B Fr		109972	April
Dave 2B		106861	March
Dave 2B		106863	March
Dave 44A		107449	March
Don 2 Fr		110691	April
Don 3 Fr		110692	April
Don 4 Fr		110693	April
Don 5 Fr		110694	April
Don 6 Fr		110695	April
Don 7		123078	October
Don 8		123079	October
Don 9 Fr		123080	October
Map 3		123137	November
Map 4		123229	November

The above claims are located in the Jocko Lake, Peterson Creek area, Kamloops Mining Division, British Columbia. Ref. M921/9W.

## LOCATION AND ACCESS

The claims under discussion occur approximately eight miles SW of the city of Kamloops, B.C. A point near the North margin of the claim group occurs approximately one claim unit South of the point where Peterson Creek crosses the Goose Lake Road.

Facile access to the property is available from Kamloops by means of the Trans Canada Highway west to No. 5 Highway, thence South to the village of Knutsford and thence SW along the Goose Lake Road.

#### TOPOGRAPHY AND VEGETATION

The surface presented by the property is that of gently rolling hills in the manner of "roches moutonnee" indicating glacial advance from the NW. Mean elevation is of the order of 3500' ASL. The SE quadrant of the area is forest covered usually, sub commercial fir, spruce and pine. The remainder is essentially open rangeland supporting various grasses and sagebrush with minor groves of alder, willow and poplar.

#### GEOLOGY AND MINERALIZATION

The trace in plan of Peterson Creek approximately marks the line of demarcation between the Nicola Volcanics and the various members of the Iron Mask Batholith. The batholithic members are diorites, syenites, and other somewhat acid species with minor extreme differentiates such as picrite basalt. The main area of the property, i.e. the Sun Claim, is underlain by Nicola Volcanics grading from basic lavas to porphyritic andesites.

Mineralization in the form of disseminated pyrite and chalcopryrite lining joints and fracture faces occurs in localized areas along the contact between the Iron Mask Batholith and the Nicola Volcanics- as well as in joints and faults sympathetic to the main contact. These zones tend to be linear and elongate parallel to the contact.

## WORK PROGRAMME

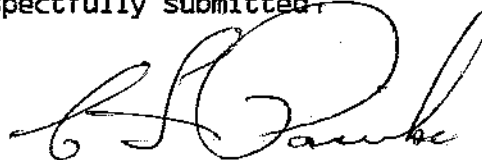
During the summer months of 1976 an exploration programme was conducted over the limits of the Sun Claim. This programme took the form of line cutting, geochemical soil sampling, IP survey and percussion drilling. An area of particular interest, as indicated by the geochemical and geophysical survey, was chosen to investigate at depth by means of percussion drilling. The drilling programme consisted of four holes drilled to a depth of 300', total 1200'. The drilling was carried out by Al Miller of Mallard Road, Dallas, Kamloops, B.C. An Atlas-Copco, truck mounted drill was used with water circulation and a rotary sample splitter. The samples representing ten foot intervals were then analysed for copper content by Kamloops Research and Assay Laboratory of Kamloops, B.C.

## CONCLUSIONS AND RECOMMENDATIONS

The percussion drilling programme and subsequent sampling indicated the presence of a narrow mineralized zone, i.e. approximately 12 feet in width, dipping  $-70^{\circ}$  to the north and striking SE. The strike length of the zone is unknown, however it is thought to be limited by virtue of surface geological observations. This narrow zone of disseminated chalcopyrite in a weakly silicified shear zone offers values of the order of 0.42% Cu extends for a known length of 100'.

The mineralized zone described above, though of limited indicated extent and tenor will require additional drilling to determine its horizontal and vertical extent as well as its tenor.

Respectfully submitted,



C.T. Pasiaka, P.Eng.

December 1, 1976.

I, Clemens Terence Pasieka, of the City of Kamloops, B.C. hereby certify that the following costs were incurred by, invoiced to and paid by L.M.C. Resources Ltd.

1200' percussion drilling  
@ \$3.00/ft.     \$3600.00

{Contractor, A. Miller, Mallard Rd. Kamloops, B.C.}



C.T. Pasieka, P.Eng.

CERTIFICATION

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

1. I am a geologist and reside at 138 Saint Paul St. 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 or indirectly, in the property of L.M.C. Resources Ltd., nor do I expect to receive any such interest.
6. That this report is based on data derived from work carried out under my supervision, from personal experience in the area and from Government publications relevant to the area.

Dated this 1st day of December, 1976, City of Kamloops, Province of British Columbia.

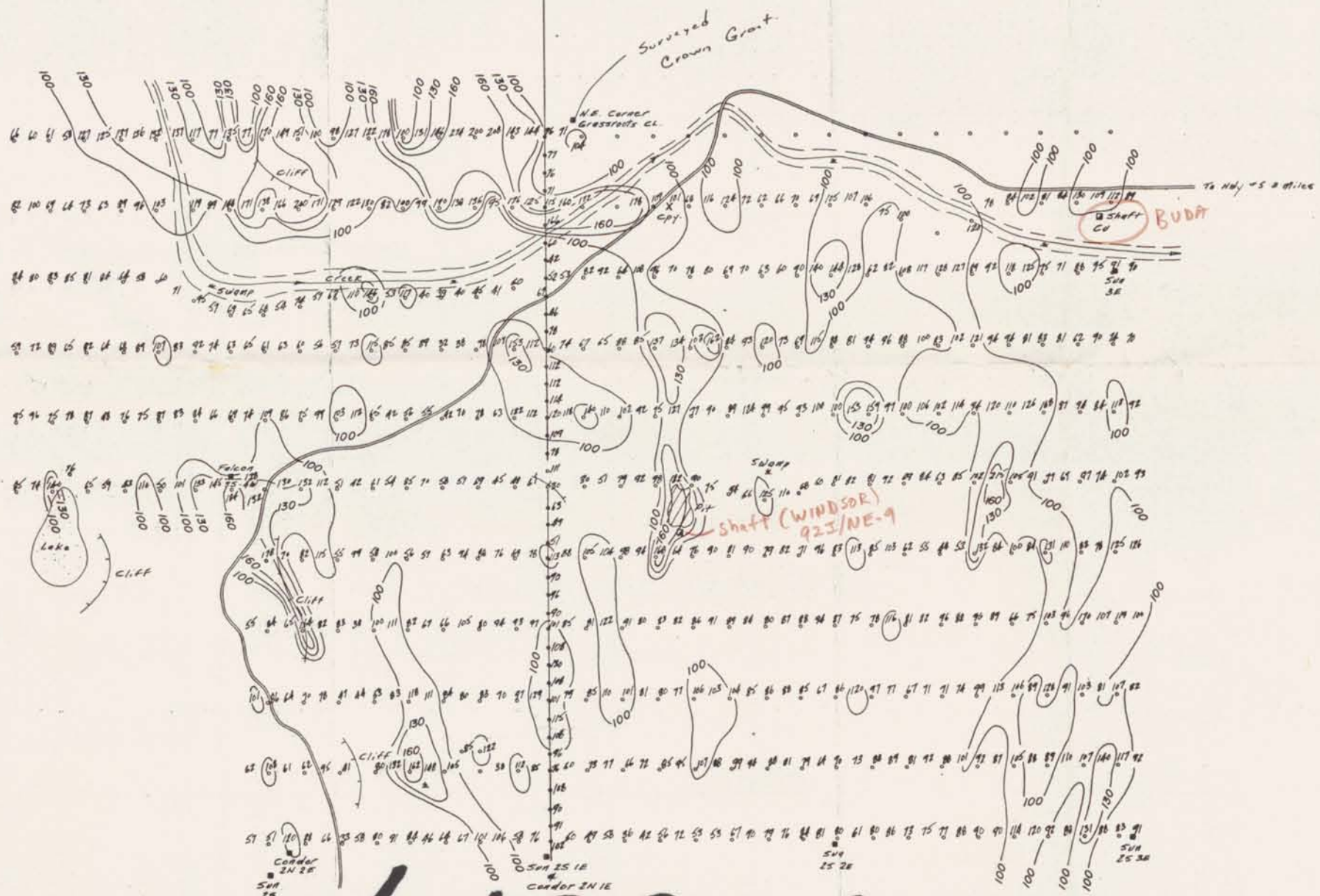


C.T. Pasieka, B.Sc. P.Eng.

120°24'

32+00 W  
28+00 W  
24+00 W  
20+00 W  
16+00 W  
12+00 W  
8+00 W  
4+00 W  
0+00 BASE LINE  
4+00 E  
8+00 E  
12+00 E  
16+00 E  
20+00 E  
24+00 E  
28+00 E  
32+00 E

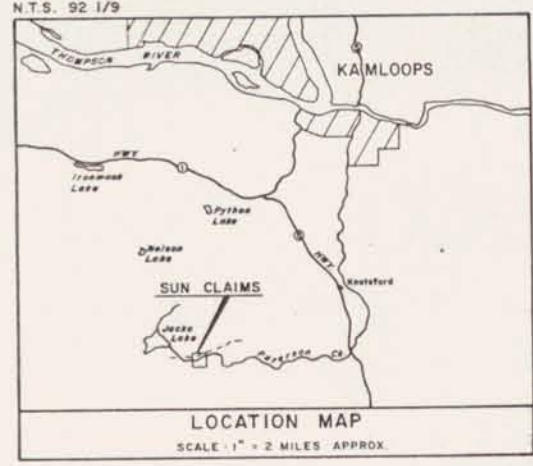
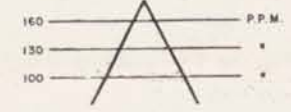
40+00 N  
36+00 N  
32+00 N  
28+00 N  
24+00 N  
20+00 N  
16+00 N  
12+00 N  
8+00 N  
4+00 N  
0+00



LEGEND

- Contour Line, Contour Interval 100, 130, 160 P.P.M.
- Station
- - - Outline of Claims
- Claim Mark
- == Unpaved Road

COPPER KEY



# 6123-M1

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. 6123  
# 1  
MAP NO. 1

LMC RESOURCES LTD.	
SUN CLAIMS	
KAIMLOOPS MINING DIVISION - BRITISH COLUMBIA	
GEOCHEMICAL MAP	
COPPER P.P.M.	
BOO INDUSTRIES LTD.	INTERPRETED BY: G.E.W.
	DRAWN BY:
	CHECKED BY:
	DATE: JUNE 28, 1976
	FIG. No. 1