

5889

McLEOD COPPER LIMITED.,
VANCOUVER, B.C.

ASSESSMENT GEOLOGICAL WORK REPORT

ON

THE MAC CLAIM

KAMLOOPS MINING DIVISION

LAT. 50° 42'N, LONG. 120° 06'

OCTOBER 31, 1975

JOHN H. KRUZICK, B.Sc.

BURNABY 2, BRITISH COLUMBIA

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5889 MAP

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION -----	1
GENERAL -----	1
PROPERTY -----	1
LOCATION AND ACCESS -----	2
GEOLOGY OF THE CLAIM AREA -----	3
DESCRIPTION OF THE MINERALIZED ZONE -----	4
CONCLUSIONS -----	5
RECOMMENDATIONS -----	6
CERTIFICATE -----	7
COST STATEMENT -----	8

MAPS

#1 Location Map -----follows	2
#2 Detailed Geological Map -----in pocket	

INTRODUCTION

GENERAL:

During the month of October, 1975 the writer accompanied by his assistant conducted a surface geological mapping survey on the Mac Claim. The survey and report was done at the request of McLeod Copper Ltd., following the recommendations in The Mac Claim Report by J.P. Elwell dated July 14th, 1975. This report will be filed with the British Columbia Department of Mines and Petroleum Resources for assessment work.

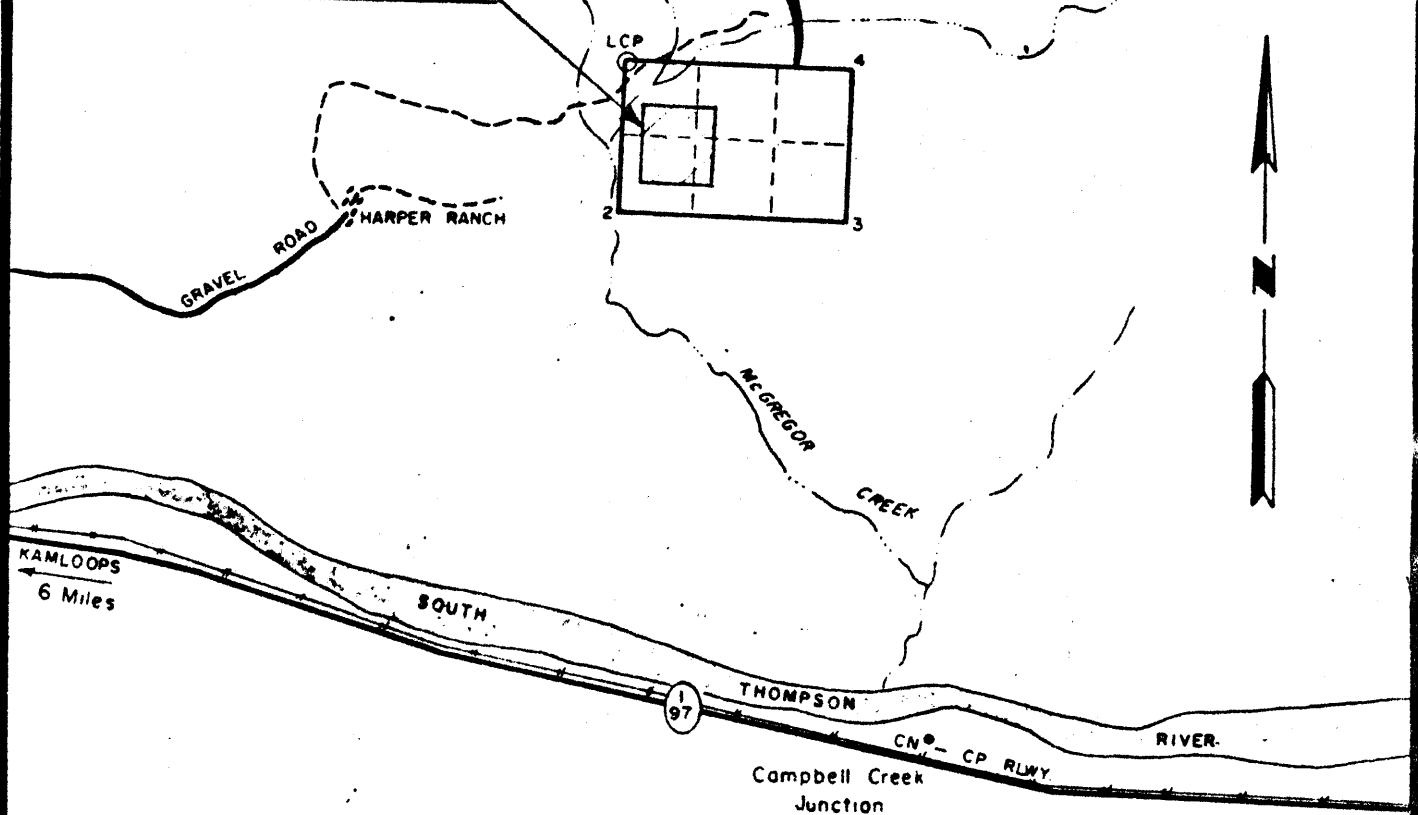
PROPERTY:

The Mac Property presently consists of one mineral claim with six claim units which were staked by Ian McCallum, on June 21st, 1975. The Legal Corner Post carries the Metal Tag Number 19585. The units are 2 South and 3 East from The Legal Corner Post. Refer to Location Map.

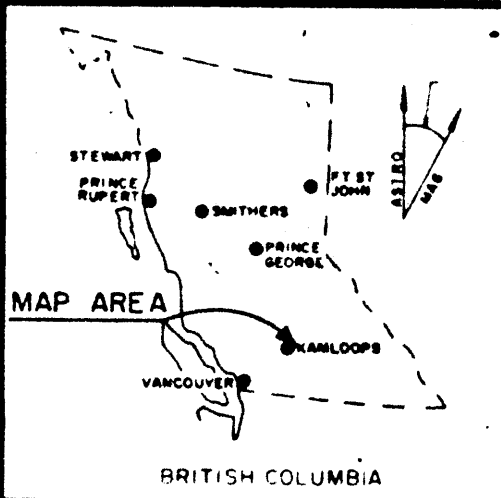
HARPER MT

MAC CLAIM GROUP

AREA OF DETAILED MAPPING



1: 50,000



McLEOD COPPER LTD.

LOCATION MAP

MAC CLAIM GROUP

KAMLOOPS AREA, KAMLOOPS M D, - BRITISH COLUMBIA

CLAIMS PLOTTED FROM STAKING MAP,
LOCATIONS APPROXIMATE ONLY

JULY, 1975

LOCATION AND ACCESS:

The Mac Claim is located within the interior plateau region, approximately 12 miles east of Kamloops, B.C., in the Kamloops Mining Division. The property lies 2 miles south of the summit of Mount Harper, near the headwaters of McGregor Creek, which empties into the South Thompson River. The topography, typical of glacial terrain, is comprised of broad uplands, separated by deeply cut valleys.

Access to the property from Kamloops is by way of the gravelled Mount Harper road, which runs parallel to the South Thompson River to the Harper Ranch, and then by dirt road to the Northwest corner of the claim.

GEOLOGY OF THE CLAIM AREA

REFERENCE:

G.S.C. Map 886A Nicola

And Memoir 249

By

W.E. Cockfield, 1961

The claim area is underlain by Palaeozoic rocks of the Cache Creek Group, consisting mainly of greenstones, andesites, basalts, and argillites. The rocks, in general, have a northwest trend with variable steep dip. In the vicinity of the old workings fracturing and faulting are prevalent. Numerous quartz veining and lime alteration exists in the fractured and sheared greenstones.

The gold-silver mineralization is associated with the limy siliceous altered greenstone rock. This alteration zone can be traced on surface over a distance of 900 feet along strike, and can be projected for a width of 200 - 250 feet. Refer To Property Geology Map

DESCRIPTION OF THE MINERALIZED ZONE

Refer to Geology Map.

Previous exploration and development work carried out between 1913 and 1941 has outlined a gold-silver bearing zone in a limy siliceous altered sheared greenstone. This mineralized zone had been traced for approximately 900 feet on trend, but no estimation of the apparent width was determined from this work. This work appeared to be centered around locating higher grade pods of gold-silver mineralization along the trend of the shear zone.

The surface geological mapping program conducted in October 1975 was designed to determine the extent of this mineralized zone, and to ascertain the possible gold-silver values which might be encountered. The zone, as mapped on surface, has a strike length of at least 900 feet, and a projected apparent width of 200 to 250 feet. These dimensions were determined by carefully mapping and plotting the attitudes of all visible quartz veins and quartz filled shears.

A chip sample across the mineralized zone was not taken, due to the lack of rock outcrop, but a sample (B to D) taken along a trench which parallels the trend of the zone assayed; 0.125 oz. Au/Ton and 3.55 oz. Ag/Ton for approximately 300 feet.

CONCLUSIONS

From surface geological mapping carried out on the Mac Gold-Silver mineralized zone, it was determined that the zone has a strike length of at least 900 feet, and a projected apparent width upwards to 200 to 250 feet. A sample along 300 feet of zone gave significant assays for gold and silver. These values are of economic significance, and could be indicative of the type of values which might be encountered over the entire mineralized zone.

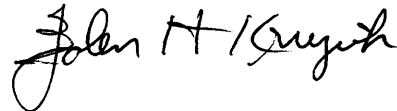
Therefore, further exploration work, surface and subsurface, is definitely warranted to investigate the economic potential of the entire zone, and to seek the possible extension of this zone beyond the present dimensions.

RECOMMENDATIONS

- (1) Continue with J.P. Elwell's recommendations for a soil sampling and magnetometer survey. But, first conduct an orientation survey across the known mineralized zone to determine the type of results and usefulness of these surveys.

- (2) Regardless of the results obtained from (1) a systematic diamond drill program should be carried out to explore the extent of the zone in all three dimensions. A diamond drill program, with four drill holes, of 400 feet in length, at -30° to -45° , at intervals of 200 feet along the zone would be appropriate.

Respectfully submitted,



John H. Kruzick, B.Sc.
October 31, 1975

CERTIFICATE

I, John H. Kruzick, of 7132 Buffalo St.,
Burnaby 2, B.C., do hereby certify that:

1. I am a graduate geologist of the University
of British Columbia, (B.Sc., 1969).
2. I am a member of the Geological Association
of Canada.
3. I have been actively engaged in mineral
exploration since my graduation.
4. I have been self-employed as a geologist in
the mineral exploration field since January, 1972.
5. In the 1975 field season I conducted a surface
geological mapping program on the Mac Claim.
The findings in this report are the result of
this survey.
6. At present, I am a director and a shareholder of
McLeod Copper Limited.

Respectfully submitted,



John H Kruzick, B.Sc.

October 31, 1975

COST STATEMENT

Oct. 5th - Oct. 20th, 1975

(1)	Crew Wages:		
	One Geologist	\$100/day - 10 days	\$1,000.00
	One Assistant	60/day - 15 days	900.00
(2)	Preparation of Engineering Report & Maps		300.00
(3)	Truck Rental		250.00
(4)	Travel, Accommodations & Meals		525.00
(5)	Assays		12.00
(6)	Miscellaneous		50.00
		TOTAL	<u>\$3,037.00</u>

TO Mr. John Krzwick
7132 Buffalo St.,
Burnaby 2, B. C.

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis
6455 Laurel St., Burnaby 2, B.C.

Tel: 299-5242

File No. 4098

Type of Samples Rock

Disposition 1 year

ANALYSES CERTIFICATE

No.	Sample	Ag oz/ton	Au oz/ton						No.
1	J.K.	3.55	.125						1
2									2
3									3
4									4
5									5
6									6
7									7
8									8
9									9
10									10
11									11
12									12
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15									15
16									16
17									17
18									18
19									19
20									20

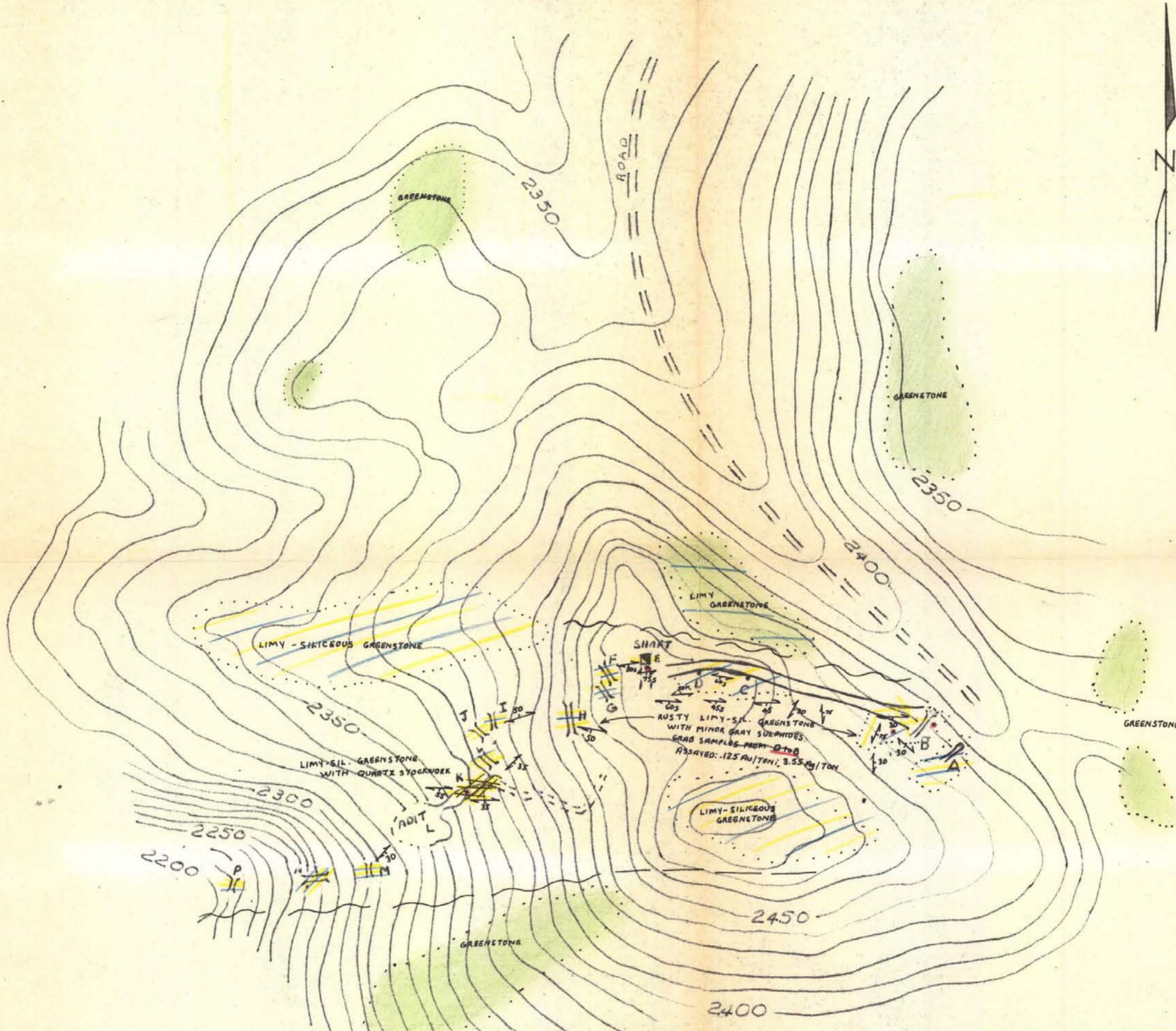
All reports are the confidential property of clients.

DATE SAMPLES RECEIVED June 9, 1975

DATE REPORTS MAILED June 11, 1975

ANALYST Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



- LEGEND**
- GREENSTONE
 - LIMY-SILICEOUS ALTERED GREENSTONE
 - QUARTZ VEINING
 - QUARTZ STOCKWORK
 - SULPHIDE MINERALIZATION
 - SHEAR ZONE
 - OUTCROP BOUNDARY
 - STRIKE AND DIP OF QUARTZ VEIN

*John Krulick
B.Sc.*

58889 M-2

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5889 MAP 2

M'LEOD COPPER LIMITED
VANCOUVER, B.C.

DETAILED GEOLOGICAL MAP OF MAC CLAIM GROUP, GOLD-SILVER ZONE, KAMLOOPS M.D.

DRAWN BY: JOHN KRULICK

SCALE: 1" = 100 FT. DATE: OCT 1975