

JUN 26 1972

# KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

820338

L.H.S.	
P.M.K.	✓
G.M.H.	✓
R.D.S.	
B.C.B.	
I.D.B.	
M.D.R.	
J.H.F.	
E.C.J.	

To..... Mr. Glen Hogg ..... From..... W.M. Sirola .....

Subject..... Citex Property - North Shore Kamloops Lake, ..... Date..... June 22, 1972 .....  
Kamloops, B.C. - 92-I

Fred Chow examined this property on May 9, 1972, largely because it was on the northwest extension of the active properties in the Kamloops area.

Fred's examination revealed narrow shear zones in altered andesites, and the best sample he obtained was 0.60% copper across 10 feet. At the time of his visit, one diamond drill hole had been completed to a depth of 560 feet. Fred could not see much copper mineralization in the core, but the assays quoted subsequently in the George Cross News Letter were 160 feet of 0.552% Cu.

Since Fred's visit and up to the present time, a total of 4 diamond drill holes have been completed on the same zone and the results have been summarized on Fred's geological plan. In brief, it would appear that the zone has been tested over a length of 300 feet, a width of 100 - 150 feet and a depth of 400 feet. The average copper content in the 4 drill holes is approximately 0.80%.

Geophysical surveys were in progress at the time of Fred's visit, and we propose to review these results in the near future. We were advised by Les Price, President of Citex, that they would not be talking with major companies until the 4 holes have been completed. I concur with Fred's conclusion that there was no urgency in attempting to negotiate a deal on this property.

W.M. Sirola

Encl.

WMS/bw

92 I

Citex Mines Limited  
Property, Kamloops Lake Area

June 22 1972

June 6, 1972

GREENSTONE GROUP-KAMLOOPS, B.C.

"CITEX OPTION"

92 I-15E $\frac{1}{2}$

Introduction

The writer examined the Greenstone property on May 9, 1972 and was accompanied by Mr. Tom McMahon of Citex Mines Ltd. and Messrs. Clarence Fortin and Jack Smith, vendors of the property.

Holdings and Location

Citex Mines Ltd. holds by option 10 mineral claims known as the Greenstone Group, plus 79 additional mineral claims acquired by staking, namely the JIL Nos. 1-56, BOO 1-10, BOO 13-14, BOO 17-18 and BOO Nos. 30-38. The Greenstone mineral claims are located on the north shore of Kamloops Lake and are situated about 12 miles west of the town of Kamloops, B.C.

Access and Topography

Access to the property is by paved road from Kamloops to Tranquille, thence by a dirt road to the old adit area. The terrain is mainly gently rolling with sparse timber and minor underbrush. Two-wheel truck vehicle is capable of travel off-road.

Geology

Tertiary volcanics of the Kamloops group underlie most of the property and covers a vast area towards the north. Triassic volcanics and sediments of the Nicola group lie in contact with the Kamloops group on the eastern boundary. The Iron Mask batholith intrudes the Nicola rocks near the southeast corner of the property and likely form a contact with both groups along the southern boundary extending southwestward into Kamloops Lake.

Tranquille sediments of the Kamloops group have been recognized on the western boundary of the property and Nicola basalts have been noted on the east. The volcanic rocks within the exploration area of the Green-

stone mineral claims are tentatively called Nicola volcanics. The support for this is based on favourable mineralization in Nicola volcanics and not in Kingsvale nor Kamloops volcanics. Also the rocks appear to be steeply dipping, whereas the Kingsvale and Kamloops rocks are generally gentle dipping.

According to Mr. Clem Pasiaka, geologist in charge at Citex Mines, the volcanic rocks within the mineralized area are different from those that he has seen in the Kamloops area. He suspects that these rocks belong to the Kamloops volcanics. A petographic study is being conducted and the age of the rocks should be known soon.

In the immediate area of the old adits, located near mineral claim Greenstone #2 I.P., where recent work is being conducted, andesitic rocks outcrop along both banks of a deeply incised stream bed.

The volcanic rocks are generally massive, fine to medium grained, green coloured andesite. Red coloured volcanic rocks are common, especially in the area immediately north of the adits. Epidote is abundant locally and hematite occurs in moderate amounts associated with shears. Calcite is a common mineral within shears and in fractures. The rocks are altered, more so within areas of shearing.

#### Copper mineralization

Malachite was the only copper mineral noted in the rocks in place along the creek, adits and trenches. It occurs in shears and cross-fractures in association with calcite mineralization. The zones range from 1 to 10 feet wide with malachite content from 0.1 to 0.5% in four locations. Bornite and chalcocite were reported to be found in the adits, but the writer only noted one piece of native copper in one of the rock dumps. They probably occur as fine disseminations within the shear zones and is the source of the malachite.

The more prominent shears strike N, NE and E and dip  $55^{\circ}$ - $80^{\circ}$  to the W, NW and N. The fractures strike <sup>N.E.</sup> and dip to the north <sup>West.</sup>

A grab sample of the average material was taken across the trench at the uppermost adit (near Greenstone #2 I.P.) and it assayed 0.60% Cu across 10'. Visual estimate was 0.25% Cu based on malachite content.

Disseminated chalcocite was found within a 1.5' - 2' shear zone, striking N55W and dipping  $71^{\circ}$  SW, across a dry gully located about 1300' S37<sup>o</sup>W of claim post Greenstone #2 I.P. Both walls of the shear and the cross-fractures contain calcite filling. A chip sample (# 40 3) across 1.8' assayed 2.2% Cu and the visual estimate was 3% Cu. No mineralization was noted on either side of the shear.

Another location further down the dry creek was reported to have a malachite showing but was not seen by the writer.

Andesitic float containing disseminated bornite (3-4% Cu) was noted at two locations, approximately 3000' NE of Greenstone M.C. #2 I.P. on or near BOO #18 M.C. The float material was found as one (plus or minus) foot thick lenses about 5x10' in size and buried under 2 feet or more of top soil and rock fragments. The float is heavily stained with malachite. The material was not transported far.

#### Diamond Drilling

One diamond drill hole was completed at a depth of 560' and the second hole was at a depth of 260' on the day of the writer's visit. The split diamond drill core of D.D.H. #1 from footage 140' to 560' was examined. It contained the same red and green andesitic rocks which outcrop along the creek. Sheared rocks with calcite and other carbonate occurred between footages of 159' - 278'. 1% pyrite with minor chalcocopyrite (0.1% Cu) occur between 152' to 159' and 260' to 278'. Other copper minerals were not seen but finely disseminated bornite and/or chalcocite could easily be missed, especially in the poorly illuminated warehouse (core shack). D.D.H. #1 is located about 120' east of Greenstone M.C. #2 I.P. and drilled on a due west bearing at -45° angle. This would cut the uppermost adit shear at an angle of 35° near the top section of the D.D. hole and intersect the other shears at a more acute angle.

D.D. hole #2 is located about 300' due west of D.D.H.#1, on the opposite site of the gully, drilled at a bearing of due east and dip of -45°. The core from footage 200 - 260' was examined. The rock type is the same as D.D.H. #1 and no shearing nor mineralization was noted. The two holes should intersect at about footage 200 feet and approximately 150' below the collars.

#### Summary and Conclusions

Copper mineralization is associated with shears in andesitic rocks of the Nicola volcanics. Shearing is prominent for 400' along the creek area near Greenstone #2 I.P. Although no copper sulphide mineral was noted, malachite occurs with calcite along the sheared and fractured planes. Bornite and/or chalcocite are probably finely disseminated within the shear zones. The best zone of malachite mineralization assayed 0.60% Cu across a 10' width compared with a 0.25% Cu visual estimate based on the percentage of malachite.

Other zones, besides the narrow 1.5' - 2' shear containing 2.2% copper located 1300' SW, probably exist on the property but they are likely to be narrow shears and widely separated.

It is recommended that Kerr Addison Mines not option the property at the moment but continue our interest until the results of the geochemical and geophysical surveys are complete.

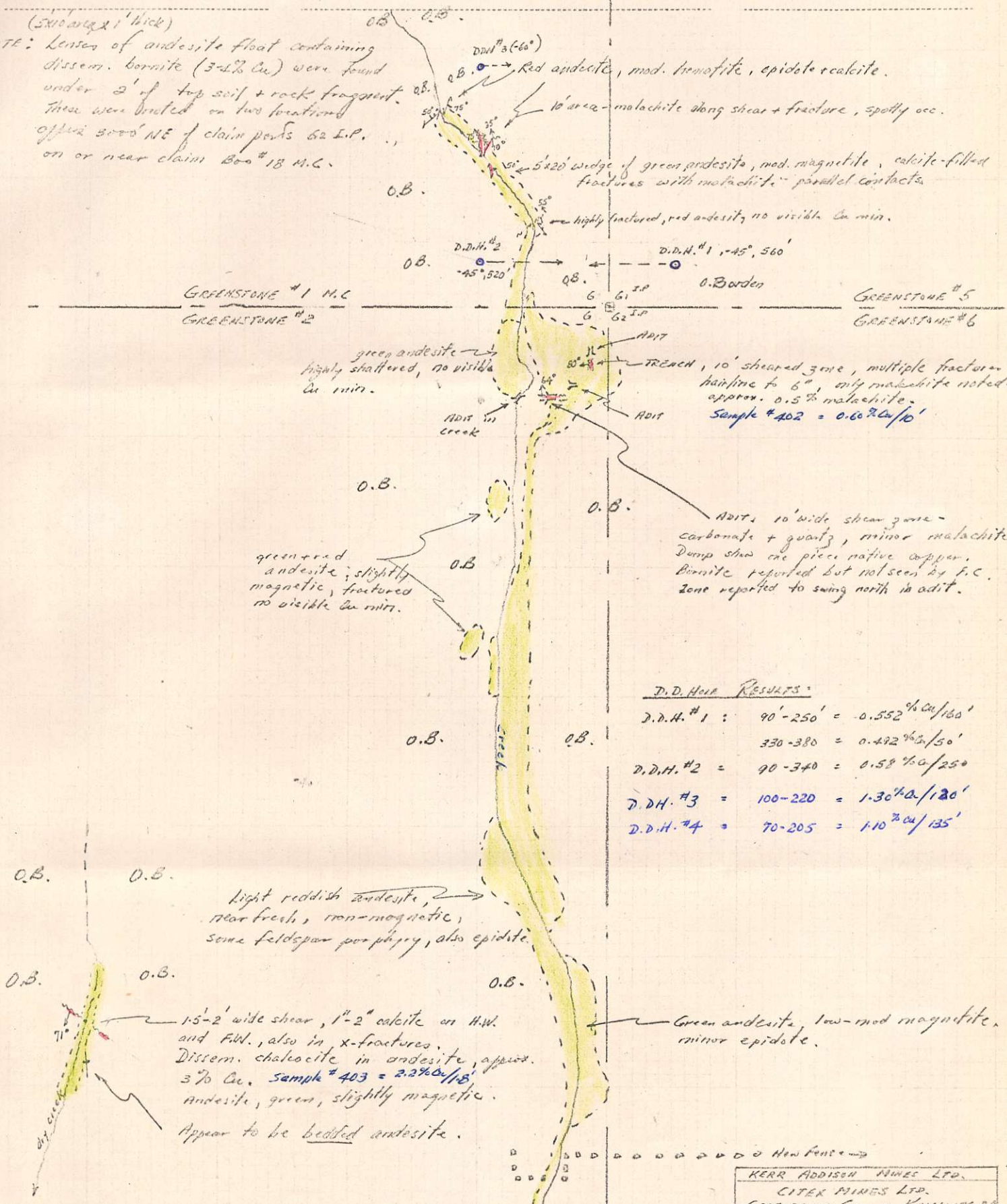
A handwritten signature in cursive script, appearing to read "Fred Chow".

Fred Chow

FC/bw

COLLAR 100' N  
D.D.H. #4 (-60°) bry west

(5' x 10' x 1' wide)  
NOTE: Lenses of andesite float containing dissem. bornite (3-2% Cu) were found under 2' of top soil + rock fragment. These were noted on two locations approx 3000' NE of claim posts 62 I.P. on or near claim Boo #18 M.C.



D.D.H. RESULTS:

D.D.H. #1	90'-250'	= 0.552% Cu/160'
	330-380	= 0.492% Cu/50'
D.D.H. #2	90-340	= 0.58% Cu/250'
D.D.H. #3	100-220	= 1.30% Cu/120'
D.D.H. #4	70-205	= 1.10% Cu/135'

KERR ADDISON MINES LTD.  
CITEK MINES LTD.  
GREENSTONE GROUP, KAMLOOPS, B.C.  
**GEOLOGY**  
OF  
RECENT WORK AREA  
SCALE: 1" = 200'  
BY: F. Chow May 2, 1972

D.D.H. #3  
 300' N of  
 D.D.H. #2

Rumor  
 $\frac{1.0\% \text{ Cu}}{100'}$  (G.C.N.L. report)  
 $\frac{1.30\% \text{ Cu}}{120'}$

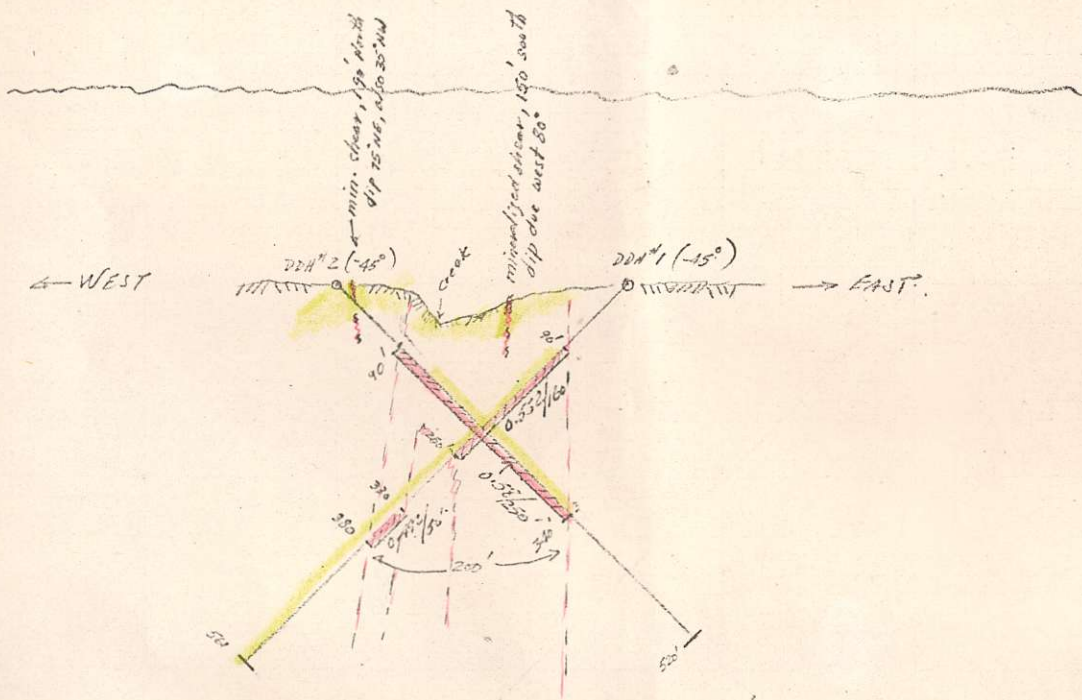
Looking Due North

REMARKS:

BASED ON 4 malachite showings along  
 a N-S length of 400' & assuming a  
 due north structure, the mineral  
 occurrence is spread across a 170' width  
 E-W.

but assuming a NW structure, then the  
 mineralized width becomes 100' wide.

NOTE: No mineralizing noted in outcrop along  
 section of D.D.H. #142.



Looking Due North

CITEX MINES Co.  
 D.D. DRILLING SECTION  
 1" = 200'

June 2/12 76

TO:

Kerr Addison Mines Ltd.,  
405 - 1112 West Pender Street  
Vancouver, B.C.  
ATTENTION: Mr. Bill Sirola



# Certificate of Assay

**WARNOCK HERSEY INTERNATIONAL LIMITED**  
COAST ELDRIDGE PROFESSIONAL SERVICES DIVISION  
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA



PHONE: (604) 876-4111  
TELEX: 04-50353  
CABLE ADDRESS:  
ELDRICO

FILE NO. 461 - 16001

DATE May 26, 1972

*We Hereby Certify* that the following are the results of assays made by us upon submitted ORE samples

MARKED	GOLD		SILVER	Copper	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Cu)					
		\$							
402				0.60					
403				2.20					

Note. Rejects retained one week.  
Pulps retained one month.  
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gain inherent in the fire assay process.

Gold calculated at \$ ..... per ounce

*B. O. Peppy*

Provincial Assayer



Mine CITRA MINES  
KAMLOO'S. B.C. 10720/20  
FILE

Date May 9/72

Hole No. Site # 12

Heads @ uppermost adit  
70' SW of Greenstone #2 H.C. B.C.

Sample N<sup>o</sup> 402

From shear zone big. down  
H.W. To FW

Sample Length 10'

Remarks Gray-green andesite  
Altered w/ 3% calcite +  
0.5% malachite, also a  
few spots hematite?

Assay For Cu

NORTHERN MINER PRESS

Signed J. Chow

Est. 0.25 Cu Assayed 0.6%

Mine CITRA MINES  
KAMLOO'S B.C.

Date May 9/72

Hole No. Site # 13

11 <sup>N</sup>/<sub>8</sub> W approx. bank of  
dry creek.

Sample N<sup>o</sup> 403

From shear zone big. N55W  
H.W. To FW

Sample Length 1.8'

Remarks Gray green andesite  
Calcite both contacts, Malachite  
Dissem. chalcocite, also  
seams 0.5% malachite + 3% chalcocite

Assay For Cu

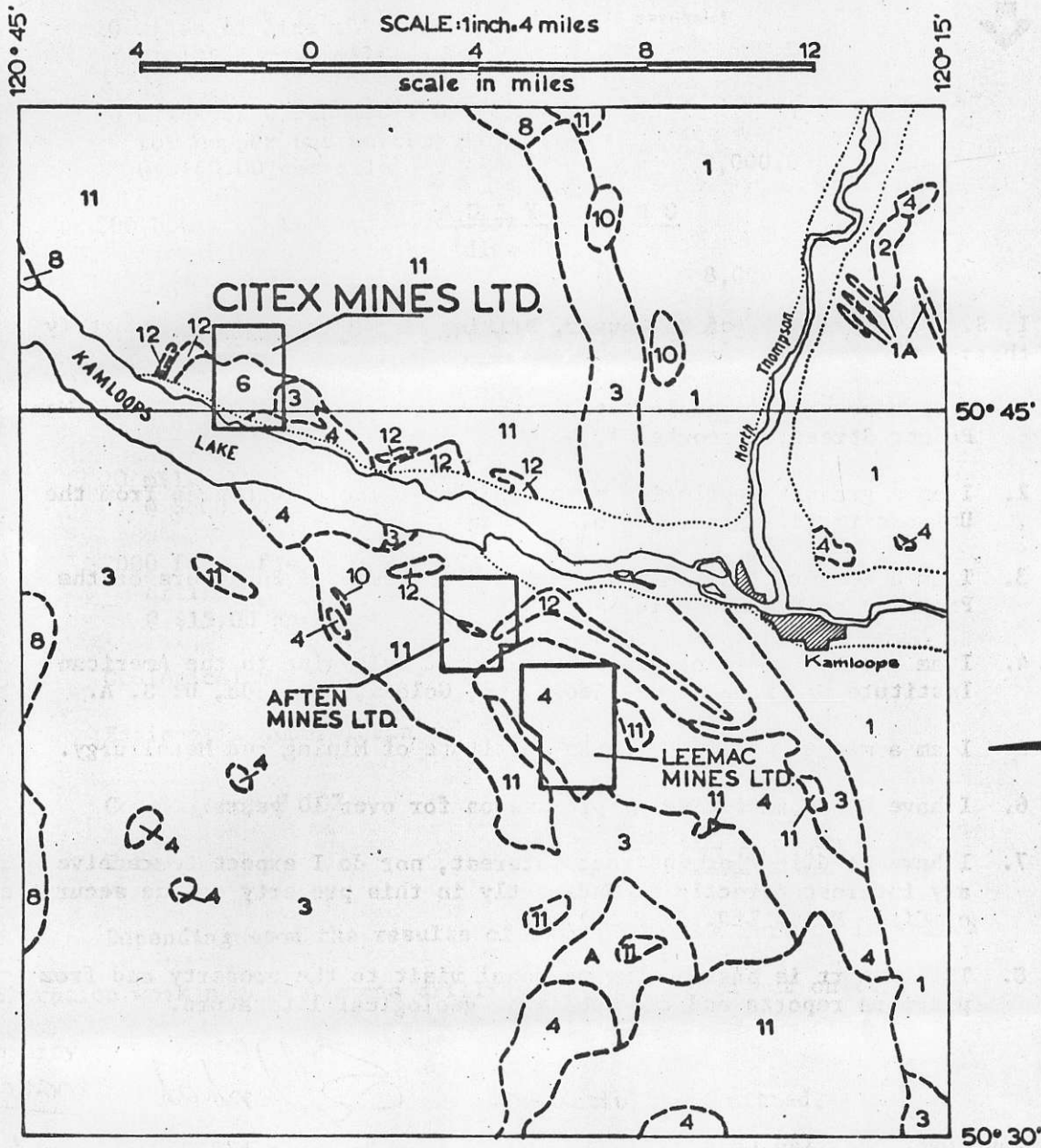
NORTHERN MINER PRESS

Signed J. Chow

Est. 3% Cu. Assayed 2.20%

# CITEX MINES LTD. KAMLOOPS AREA B.C.

## LOCATION AND GEOLOGICAL MAP



**LEGEND:**



Chlorite schist, quartz-mica schist, amphibolite, and granite intrusions; commonly gneissic and largely of Palaeozoic age.



Cache Creek group  
Argillite, quartzite, hornstone, limestone, sheared conglomerate, breccia, greenstone, and serpentine.



Cache Creek group  
Greenstone, generally slightly sheared. May include some Triassic rocks (3)



Nicola group  
Greenstone, andesite, basalt, agglomerate, breccia, tuff; minor argillite, limestone, and conglomerate.



Coast intrusions:  
granite, gneiss, diorite, gabbro.



Kingvale group  
Rhyolite, andesite and basalt; associated tuffs, breccias, and agglomerates; arkose, conglomerate.



Andesite, basalt, porphyry agglomerate, breccia, and tuff; minor conglomerate and sandstone.



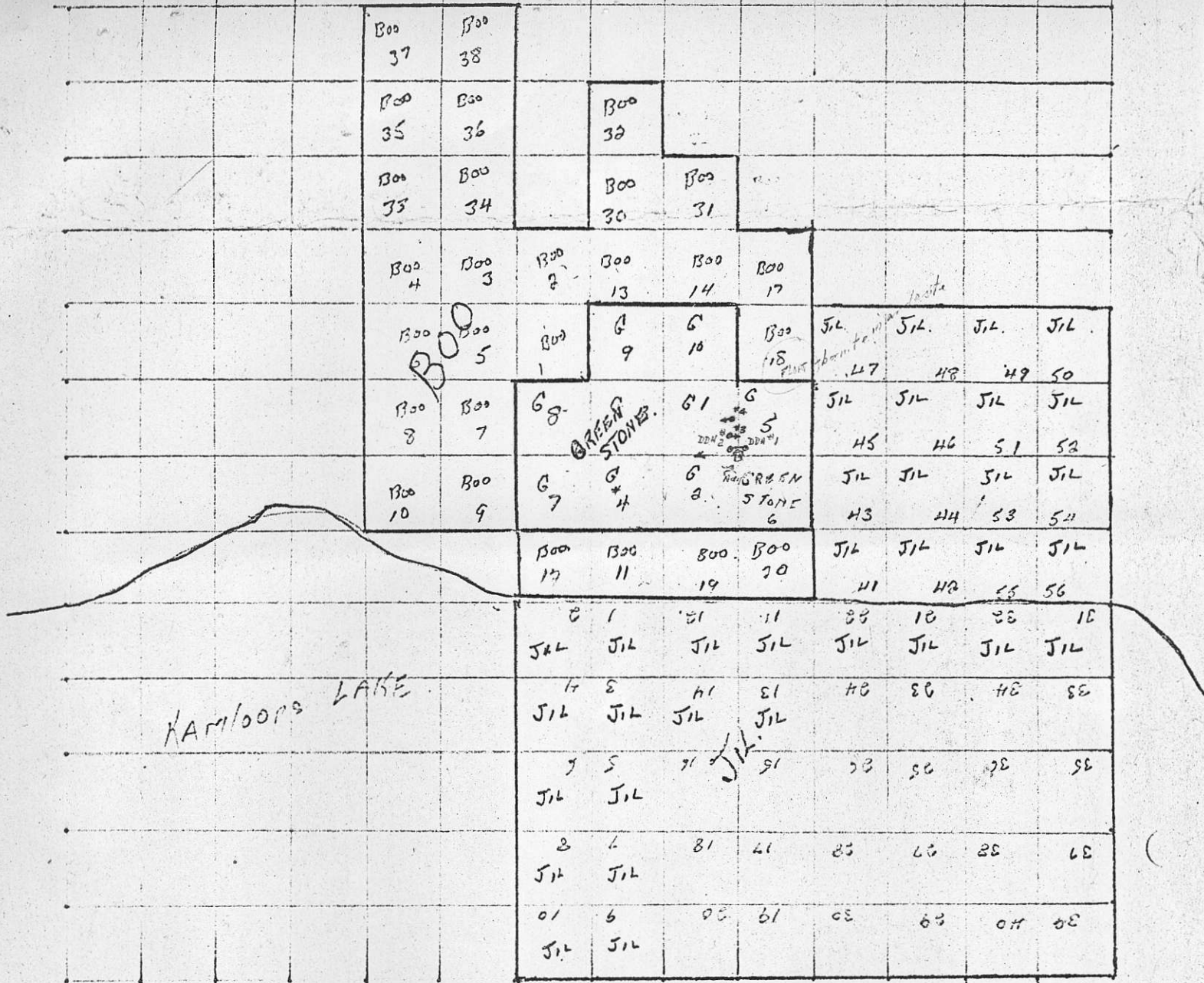
Coldwater beds:  
conglomerate, sandstone, shales, and coal.



Kamloops group  
Rhyolite, andesite, and basalt; associated tuffs, breccias and agglomerates.



Kamloops group  
Tranquille beds:  
conglomerate, sandstone, shale, tuff; thin coal seams.



CITEX MINES LTD.

GREENSTONE GROUP

KAMLOOPS, B.C.

SCALE: 1" = 3000'

Copied from APPENDIX May, 1972