

A REPORT ON
LYNX & LATE GROUP OPTION
OKANAGAN FALLS, B.C.
AJAX MERCURY MINES LTD.

by:

J. J. Crowhurst, B. A. Sc., P. Eng. Apr. 29/69

672557

A
REPORT
on
LYNX & LATE GROUP OPTION
OKANAGAN FALLS, B.C.
AJAX MERCURY MINES LTD.

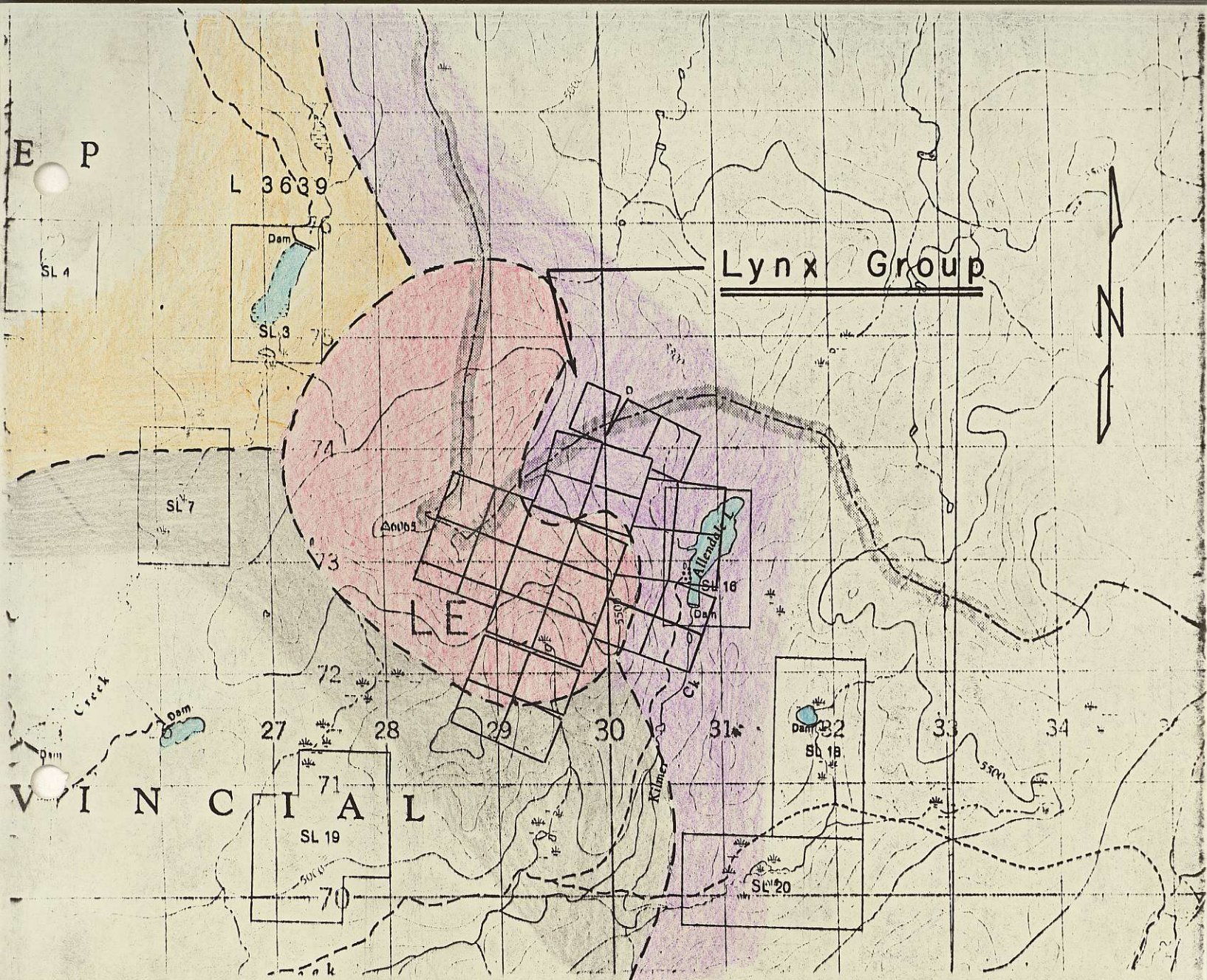
by
J.J. CROWHURST, B.A.Sc., P.Eng.

Vancouver, B.C.

April 29th, 1969.



SCALE: 1"=30MILES



A J A X M E R C U R Y M I N E S L T D .

L Y N X G R O U P
O k a n a g a n F a l l s , B . C .

L O C A T I O N M A P a n d G E N E R A L G E O L O G Y

Geology adapted & revised from G.S.C. Map 25-1961

<p><u>Oligocene</u></p> <div style="display: inline-block; width: 20px; height: 10px; background-color: #f08080; border: 1px solid black; margin-bottom: 5px;"></div> <p><u>Cretaceous</u></p> <div style="display: inline-block; width: 20px; height: 10px; background-color: #8000ff; border: 1px solid black; margin-bottom: 5px;"></div> <p><u>Pre-Formian</u></p> <div style="display: inline-block; width: 20px; height: 10px; background-color: #ffff00; border: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 20px; height: 10px; background-color: #cccccc; border: 1px solid black; margin-top: 5px;"></div>	<p>Coryell monzonite, shonkinite</p> <p>Valhalla granite, granodiorite</p> <p>Nelson granitic rocks</p> <p>Monashee gneisses, schists</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------

1 1/4 1/2 1/4 0 SCALE OF MILES 1 2 Miles

CONTOUR INTERVAL 100 FEET

B A C O N A N D C R O W H U R S T L T D .

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY, CONCLUSIONS & RECOMMENDATIONS	1
LOCATION & ACCESS	3
HISTORY	3
GEOLOGY & MINERALIZATION	4
CERTIFICATE OF QUALIFICATIONS	6

SUMMARY, CONCLUSIONS & RECOMMENDATIONS

Copper minerals occur in interesting amounts as disseminations and smears on joint planes within a granitic plug which is situated close to Allendale Lake, east of Okanagan Falls, B.C. Ajax Mercury Mines have an option to purchase 33 located mineral claims and have staked additional claims to form one contiguous block covering this plug.

These located claims are as follows:

<u>Claim Name</u>	<u>Record No.</u>
Lynx #1 - 4	15423 - 15426
Lynx #5 - 8	15869 - 15872
Lynx #9	24383
Lynx #10 - 19	15873 - 15882
Lynx #20 - 27	15938 - 15945
Lynx #28 Fraction	17791
Lynx #29 Fraction	17792
Late #1 - 4	22702 - 22705

Part of the intrusive has been investigated by geochemistry, ground magnetics and experimental electro magnetic survey work. Tractor trenching has uncovered scattered chalcopyrite, bornite and pyrite occurrences, which, although not economic in themselves, do indicate that these minerals occur in a geological environment favourable for porphyry copper type mineralization.

Heavy overburden covers much of the remaining claim block and hence a large part of the intrusive.

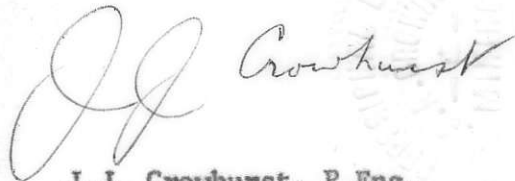
Since the whole of the granitic plug (and perhaps the contact area) is considered favourable for copper mineralization, further exploration work is justified.

It is recommended that this should be conducted as follows:

	<u>Estimated Cost</u>	
<u>STAGE 1</u>		
Geologic mapping	\$3,000	
Reconnaissance geochemistry & ground magnetometer work	<u>5,000</u>	\$8,000
<u>STAGE 2</u>		
Tractor trenching	10,000	
Geological mapping	1,500	
Sampling & assaying	2,000	
Contingencies	<u>1,500</u>	15,000
<u>STAGE 3</u>		
Diamond drilling (location & amount dependent on results of Stage 2.)		15,000

Respectfully submitted,

BACON & CROWHURST LTD.



J.J. Crowhurst, P.Eng.

LOCATION & ACCESS

The mineral claim group is located partly in the Greenwood Mining Division and partly in the Osoyoos Mining Division, at approximately 49°23' North Latitude and 119°21' West Longitude. The claim group spreads westerly from Allendale Lake at elevations varying from 5100' above sea level to more than 6000' above sea level.

A gravel road, approximately 15 miles in length, passing along Shuttleworth Creek valley, connects the main highway at Okanagan Falls to Allendale Lake. Tractor roads extend upwards along the hillside from Allendale Lake to provide access to the southeasterly part of the claim group.

HISTORY

Mr. R. McLean prospected the ground in 1966 and discovered scattered copper mineralization. General Resources optioned the property later in the year and completed several thousand feet of tractor-trenching together with geological mapping and sampling before dropping the option.

Gunnex Limited optioned the property in the mid summer of 1968 and carried out a geochemical and magnetometer survey, together with experimental electro-magnetic work, during August and September 1968. The option was subsequently relinquished.

All of this work to date has been performed on the southeasterly part of the claim group. largely due no doubt to ease of access.

Ajax Mercury have obtained an option on the original claim group and have extended the claims by staking to the west and northwest.

GEOLOGY & MINERALIZATION

Quoting from a report by Ken Ross, P.Eng., Gunnex Ltd.:

"The claim group covers the southeastern third of a small Oligocene intrusive composed of Coryell monzonite, syenite and shonkinite which has been intruded at the three way corner contact of Pre Permian Monashee gneisses, Cretaceous Nelson granite and Cretaceous Valhalla granite. Only the Coryell, Nelson and Monashee rocks occur on the Lynx and Late claims.

Within the claim group the Monashee rocks are gneisses, the Valhalla rocks are gneissic granite and the Coryell rocks are chiefly syenites."

Scattered chalcopyrite and bornite occur as disseminations and as joint plane smears in the Coryell intrusive. Gunnex reports that the "best mineralization found to date assayed 0.75% copper and 0.6 ounces of silver across 33 feet but most areas contain much less copper."

The geochemistry produced fourteen scattered spot anomalous areas but with no grouping of values. These areas were confined to the area underlain by the Coryell intrusive, but evidently did not extend the known copper mineralization exposed by the tractor trenching.

The magnetic survey produced readings varying from 3350 gammas to a maximum of 12,000 gammas. The high readings apparently caused by local magnetite concentrations, and the work succeeded in outlining the Coryell syenitic intrusive. The known copper mineralization failed to produce anomalous areas.

The electromagnetic work disclosed that the disseminated copper mineralization was not a conductor.

These same techniques should be repeated over the remainder of the claim group and in a more detailed manner in certain selected areas which have been indicated by the work to date.

CERTIFICATE OF QUALIFICATIONS

I, John James Crowhurst, do hereby certify that:

- (1) I am a practising mining engineer with Bacon & Crowhurst Ltd., Ste. 102 - 1111 West Georgia Street, Vancouver, B.C.
- (2) I am a graduate of the University of British Columbia and have been granted the degree of Bachelor of Applied Science.
- (3) I have been practising my profession as a mining engineer for 27 years.
- (4) I am a member of the Association of Professional Engineers of British Columbia, Registration No. 2120.
- (5) During August 1967, I visited and examined the property at Allandale Lake now under option by Ajax Mercury Mines Ltd., as part of my duties as General Manager of Highland Bell Mines Ltd.
- (6) I nor any member of my firm have directly or indirectly received or expect to receive any interest direct or indirect in the property of the company or any affiliate nor do I nor any member of my firm beneficially own directly or indirectly any securities of the company of any affiliate.

J. J. Crowhurst

