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JERICO MINES LTD.

SUPPLEMENTARY REPORT to ADIT GEOLOGY

April 15, 1964

Airae Exploration Ltd.

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INTRODUCTION

The adit being driven on the Jericho Mines, Ltd. claims to test geophysical and drilling results has now been completed. Sampling is currently in progress to test the grade of visible copper mineralization exposed by the adit.

Since January 31st, when the writer first visited the property, the adit proceeded from 358 feet to a completed length of 885 feet. Several supervision and examination trips were made to the property during February, March and April.

During the past month, the base camp has been improved by the addition of a 12-man bunk house, a pressure water system, a dry, and better kitchen and dining facilities.

LOCATION

Jericho Mines, Ltd. property consists of 159 claims located on the south slope of Highland Valley, approximately 36 miles south-east of Ashcroft, B. C. Claim names and record numbers are listed in the February 4th, 1964 report.

BULK SAMPLING

Approximately one ton per foot of adit was taken

as a bulk sample. This material was obtained by slashing two feet from the back across full width of the adit. Samples taken in ten foot lengths then weighed approximately ten tons.

This rock was crushed in two inches in a 10 x 20 jaw crusher, fed by a slowly moving conveyor belt. A four inch steel trough cut approximately 20% or two tons from the primary jaw crusher. This two tons was next crushed to minus 3/4" in a 5 x 6 inch jaw crusher and passed through a three stage Jones Riffle, cutting the sample to 500 pounds. A second pass through the Riffle reduced the sample to approximately 65 pounds. Eight inch rolls then ground this material to minus 20 mesh, and riffles reduced it to a final eight pound sample. Duplicate samples are retained in storage.

WORK AND PROGRESS

To test the horizontal extent of the mineralized zones, rock drill holes are being driven into each wall of the adit at 20 foot intervals along the adit. Sludge from each ten feet of these holes is taken as one sample.

Holes are drilled as far as possible using extension drill steel. Holes up to 70 feet have been obtained but most are 50 to 60 feet in length. It is estimated this test hole drilling will be completed within a week.

A wire line diamond drill is being set up to begin surface drilling as soon as possible.

ADIT GEOLOGY

The rock type throughout the adit is Guichon granodiorite. Zones of intense fracturing at the beginning and end of the adit are mineralized with chalcocite and bornite, often in quartz stringers. Disseminated sulphides may be seen adjacent to individual fractures within altered granodiorite. Sulphide content and degree of alteration decrease away from any one fracture.

Alteration consists of chloritization and carbonatization. Bornite, however, has been noted in very fresh, unaltered, granodiorite appearing as very fine disseminations within the mafic minerals.

The fracture set containing chalcocite, bornite and quartz veinlets strikes approximately South 56° East and dips 75° northerly. A second fracture set, less well mineralized strikes approximately north east and has variable steep dips to the north west. Other less definite fracture sets are present.

The first zone of mineralization encountered is from 100 to 420 feet in the adit. From 420 to 700 feet occasional high grade veinlets occur in rather less fractured granodiorite. Seven Hundred to 720 and 770 to 885 feet are highly fractured and well mineralized zones. The section 800 to 885 feet is however, leached by surface water and most veinlets are now porous, earthy malachite.

CONCLUSIONS AND RECOMMENDATIONS.

Although rock test hole drilling is still in progress and results of the bulk sampling are not yet complete, it is readily evident that an intensive evaluation and development program is necessary to test the two mineralized zones encountered in the adit.

Surface diamond drilling with emphasis on core recovery, is recommended to outline and test the mineralized zones to a depth of 400 feet. Angle holes normal to the strike of the mineralized fracture set are suggested. Holes on a grid pattern at 100 foot centres may be sufficient to evaluate these zones.

Following this drilling an adit at least 400 feet vertically below the present adit is suggested to provide material for bulk samples and metallurgical testing.

As soon as snow conditions permit, plane table mapping of geology and topography are necessary for control in drill hole plotting and for the location of a second adit.

COST ESTIMATE

| | |
|---|--------------|
| 20,000 feet BX wireline diamond drilling @ \$7/ft | \$140,000.00 |
| 2,500 feet 8 x 8 adit @ \$50/ft | 125,000.00 |
| Bulk Sampling | 15,000.00 |
| Camp Costs | 9,000.00 |
| Geological Mapping and Supervision | 7,500.00 |
| Assaying, Transportation Costs, etc. | 6,000.00 |
| | <hr/> |
| Total | \$302,500.00 |
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Respectfully submitted

A circular professional seal for a Professional Engineer in British Columbia. The seal contains the text "PROFESSIONAL ENGINEER" around the top edge, "BRITISH COLUMBIA" around the bottom edge, and "REGISTERED" in the center. A signature is written across the seal.
Rae G. Jary, P. Eng.

CERTIFICATE

I, Rae G. Jury of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a consulting geological engineer.
2. I am a graduate of Queens' University in Kingston (B.Sc. in Geological Sciences 1957)
3. I am a registered Professional Engineer of the Provinces of British Columbia and Ontario and also a junior member of the Canadian Institute of Mining and Metallurgy.
4. I have practised my profession since 1957 with Labrador Mining and Exploration Company, Quemont Mining Corporation, Canadian Johns Manville Co. Ltd., and Alrae Exploration Ltd.
5. I have personally examined the adit on the Jericho Mines Ltd. property.
6. I have not received, nor do I expect to receive, any interest directly or indirectly, in the properties or securities of Jericho Mines, Ltd.

Dated this 15th day of April, 1964


Rae G. Jury

Rae G. Jury, P. Eng.