

KERR ADDISON MINES LIMITED 820313

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To W. M. Sirola From F. Chow

Subject Minex Development Limited, Highland Valley Date Oct. 31/67

Attention was drawn to Minex Development Ltd's property in the Highland Valley area, B.C. upon the company's disclosure of a geochemical anomaly on ground recently tested.

Mr. D. M. Morgan who is in charge of Minex's operation in the Highland Valley property submitted reports, maps and accompanying data to our office for examination. The writer visited the property on October 20th and 21st, 1967.

Objective:

The object of this examination is to find whether this geochemical anomaly merits any exploration and the possible extension of a favourable zone southward.

Geology:

The property is favourably located on strike extension of the Bethlehem, Lornex and Highmont properties.

History:

The northern part of the claim block and the adjoining ground to the north was explored by Anaconda American Brass Ltd. during the years 1964 - 1965. Three diamond drill holes were drilled on geochemical and I.P. anomalies located in the NW corner of the claim block which is bounded by Highmont Mining Corporation and B.X. Mining Company ground. These three and four others later drilled by Minex, plus, a number (?) of rotary drill holes located within the anomalous area showed values of about 1% Copper and minor Molybdenite in Skeena Quartz Diorite host rock.

Examination:

- 1) Geochem soil sample locations were inspected on Lines 44N, and 40N and these were found to be dug, by shovel work, to the proper depth to expose the "B" horizon. No check samples were taken.
- 2) An EM-16 traverse was run on Line 44N from station 12E to 0+00W over the geochemical anomaly, on Line 40N from station 12E to 11W, and on Line 24N from station 12E to 8W.

Two or more anomalous conditions show on each of the lines surveyed, neither one of these profiles appear to show a trend or pattern which can be interpreted to be a mineralized zone.

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Examination cont....

3) Several trenches were examined on Line 44N and Line 40N, where a D-8 bulldozer was employed to expose the bedrock, and it was found to be exposed over a small area in three trenches. The overburden is 15 feet or more in depth, composed of sandy soil and clay with 20% boulders which are mainly rounded. A few of these show minor chalcopyrite and bornite.

a) Trench on Line 44N/7+60E exposed a rounded hump, about three square feet of Skeena Quartz Diorite. The rock is hard, shows minor tight fractures and no oxidation; minor alteration of biotite to chlorite and negligible alteration of feldspars. A few fractures show chalcopyrite and bornite.

b) Trench on Line 40N/8E shows a similar type of rock as above, over an area of ten square feet of broken bedrock. The rock contains negligible amounts of chalcopyrite.

c) Trench on Line 40N/6E shows an area, 2' x 6' in dimension, of Skeena Quartz Diorite along the west wall. The rock is moderately fractured with the latter bearing north-south. The north half of this exposure is oxidized showing a coating of brown rust with minor malachite stains. Negligible amount of chalcopyrite was seen in the fresh rock and minor amounts in specks along fractures in the oxidized section.

On the trench bottom adjacent to the above showing are two small humps of bedrock which show a few spots of chalcopyrite.

d) No evidence of molybdenite mineralization was seen in any of the trenches. Since the mineralization is so scarce, no samples were taken. Heavy snowfall prevented further examination of other trenches.

Recommendation:

The trenches on this new anomaly did not show any evidence favourable for copper and/or molybdenite mineralization, though rock exposure is small.

Copper content of the bedrock plus that in the float material is likely to account for the geochemical anomaly within the area examined. The EM-16 traverse, (two lines over the anomaly and one 1,200 ft./

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Recommendation cont....

to the south), though not conclusive yet show no continuous zone of sulphide mineralization. Therefore, it is recommended that no exploration work be done on this property at present.

Mr. D. M. Morgan informed us by phone a few days ago that Dr. G. Skerl, consulting geologist for Minex, expects to outline an interesting molybdenite anomaly on the south-east part of the property from assay results received on soil samples previously assayed only for copper. This may result in a re-assessment of the property.



Fred Chow.

FPC/1k