

NOV 29 1967

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To P.

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Subject Oro
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Oro mines, Copper Property

November 28, 1967.

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| K.C.E. |
| J.L.S. |
| E.T. |
| B.P.S. |
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| G.W.M. |
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| J.E.S. |
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I understand that Don Cannon is devoting part of his time to this project which puts Newmont in the best bargaining position should something of interest be found.

Bill

W. M. Sirola.

WMS/lk
Encl. (cc/Chow report)

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NOV 29 1967

To P. M. Kavanagh From W. M. Sirola
Subject Oro Mines Limited -
Princeton Area Copper Property - 92-H Date November 28, 1967.

The property is in a very attractive location but I believe that the large strong I.P. anomaly they are now drilling is caused by a conductive rock type rather than a large mineralized zone. I say this because the anomaly is too strong and persistent to be indicative of the type of mineralization found in this area. The joke will be on me if it turns out to be another Texas Gulf type.

I understand that Don Cannon is devoting part of his time to this project which puts Newmont in the best bargaining position should something of interest be found.

Bill

W. M. Sirola.

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To W. M. Sirola From Fred Chow
Subject Oro Mines Limited -
Princeton Area Copper Property - 92-H Date November 23/67

A report issued by Oro Mines in the Nov. 17th George Cross Letter #223 attracted our attention to their drilling target which is said to show a coincident geochemical, magnetic, electromagnetic and induced polarization anomaly where copper showings were revealed in the immediate area.

Mr. Neville Lohn, President of Oro Mines, permitted our company to review their data at their office on November 17th, 1967. The following is a report on the information obtained from Mr. Neville Lohn and Mr. Rae Jury, Consultant for Oro Mines.

Location:

Oro Mines holds a 59 mineral claim block north of Friday Creek, just west of the Hope-Princeton Highway, and approximately 2 miles southwest of Newmont Mining Corporation's exploration-development project. Oro Mines also holds the adjoining claim group to the southeast, by option from Copper Mountain Consolidated Mines.

Geology:

The claims are likely to be underlain by both the Princeton and Nicola Group of sediments and volcanics, the former contains coal and argillites and the latter basalt and andesites.

Outcrops are reported to be scarce. Roadcuts along the highway immediately east of the anomalous area are reported to expose volcanic tuffs dipping 50° - 70° west but show no sulphide mineralization.

Mapping, trenching and diamond drilling on the Copper Mountain Consolidated ground show that the Copper Mountain Stock contact lies north-south near the boundary of the two groups, and further show a 70° west dipping fault on or paralleling this contact. Drill intersections and trenches on Consolidated's group show only narrow, scattered sections of high grade copper (5 - 10% Cu) containing bornite in the intrusion.

Geochemical Survey:

A geochemical survey for copper using the Rubenic method was conducted over the entire property. The anomalous areas plotted on a 1" = 1500' scale property map show numerous zones trending east and west, a larger zone trending NE near the northwest corner and one trending NW near the southeast boundary.

No numerical figure was given for the anomalous values and no copper determinations were done in a laboratory on the soil samples collected.

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Subject _____ Date _____

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The northeast trending anomalies near the northwest corner follow the topographic contours along the steeply sloping east side of Whipsaw Creek. The northwest trending one on the northeast corner is elongated downhill following the north side of a creek. Others appear to follow the downslope of the mountain.

Induced Polarization Survey:

An I.P. survey over five geochemically anomalous areas was contracted to Hunting Surveys. Lines were run north-south and follow-up detail lines were run east-west over the area bordering the southeast boundary of the claim block.

Huntec outlines an anomalous zone 4,900' north-south by 1,200' east-west with readings of 30 - 50 milliseconds chargeability at 50' and 100' electrode separation, 30 - 45 milliseconds at 200' separations, and readings of 40 - 250 ohm meters resistivity at 50' and 100' separation and 40 - 300 ohm meters resistivity at 200' separation. This is the anomaly referred to in the George Cross Newsletter. The core of the anomaly which is within the 35 - 40 millisecond range measures 2,800' N-S and 300' E-W. Huntec interprets this anomaly to be massive and may be caused by sulphide mineralization or graphite, or a combination of both.

Huntec reports that the area near the northwest corner of the claim block contains interesting readings and recommends further I.P. work.

The other areas do not show any I.P. anomalies.

Magnetic and Electromagnetic Surveys:

Follow-up work on the southeastern I.P. anomaly was done by running about five lines across the zone with a magnetometer and an EM-16 unit.

According to Mr. Rae Jury the magnetic intensity is uniformly low over the zone and rises on the eastern flank over the intrusive. Three of the five EM-16 lines show classic crossovers with readings about plus 20 to 30 degrees.

Present Program:

Oro Mines Ltd. is proceeding with further exploration by diamond drilling two cross-sections on the anomaly. A six to seven hole diamond drill program is in progress now. (D.D.H. Assuring East)

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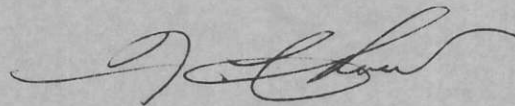
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If this drilling indicates sulphide mineralization then Oro Mines will consider participation by other companies for further development.



Fred Chow.

FC/1k