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TO: W. R. Bacon

MASTODON-HIGHLAND BELL MINES LTD.

FROM: J. C. Stephen

October 19th, 1966

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Re: Wart Claim Group - Aspen Grove

Two days, October 13th and 14th, were spent on the Wart claim group staked by Dave Heino to cover a copper geochem anomaly. A series of 1,600 foot blazed lines at 100-foot intervals had been cut and soil sampled prior to my visit and the results of the rubenic tests were seen. These indicated an anomalous area with some good positive tests and a larger number of medium strength tests surrounded by a large area where the rubenic test produces a virtually white spot. In other words a small anomalous area was indicated in an area of apparent very low background.

Some additional sampling was done under my direction and the anomalous area proved to extend some distance to the north east.

A magnetometer survey along the blazed lines covered part of the area of interest. This survey indicates no significant magnetite content in any of the surrounding rocks. A magnetic low occurs in the vicinity of the geochem anomaly. Magnetic relief is greatest in the vicinity of the volcanic contact to the north west but even these amounted to only 800 gammas.

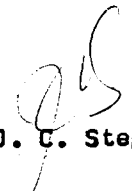
The vertical loop EM was used to a limited extent and although some very weak "cross-overs" were found these are not significant.

Limited outcrops in the area are of limy and argillitic sediments and dark green volcanics with considerable epidote. There is no evident structure or alteration and no visible mineralization. No outcrops occur within the area of the geochem anomaly.

Assuming that the lab determinations of the soil samples show copper content in the range 250 to 1,000 ppm. it is felt that an attempt should be made to trench this anomaly using a bulldozer.

The only information of positive value at present is the existence of a geochem anomaly with an apparently associated magnetic low. The area has a history of only small copper showings, but the anomaly perhaps should not be ignored on this account. Dave Heino is preparing plans of the information available.

JCS:

  
J. C. Stephen