

VANMETALS EXPLORATION LIMITEDSUMMARY REPORTELECTROMAGNETIC SURVEYWIT GROUPGENERAL

This survey was performed by A.F. Reeve, of Granger Reeve & Co., during the period of October 26 - 28, 1964, inclusive. 30,000 lineal feet of E.M. readings were taken at 50 ft. and 100 ft. intervals. An additional 15,000 lineal feet of survey and further check work was not completed on account of the impending "freeze up". (See accompanying map)

METHOD

"Crone JEM" dual frequency equipment was used, employing the standard method with a coil separation of 200 feet. Traverses were run along blazed N-S lines spaced at 400 ft. intervals across the presumed strike of the exposed Lead-Zinc mineral zone.

The purpose of this work was to establish the EM effect over the exposed zone, and to trace possible extensions or repetitions of this zone or zones in drift covered areas.

RESULTS

No strong anomalous effects were encountered. Very minor variations were recorded directly over the exposed mineralization but these would not be considered anomalous during the normal course of traversing.

Considering normal background to have a range of  $+1^{\circ}$  to  $-1^{\circ}$ ; resultant readings of  $+2^{\circ}$  and  $+3^{\circ}$  are probably caused by magnetite zones in the underlying volcanic rocks. Resultant readings of  $-2^{\circ}$  are likely caused by such surface conductors as clay beds or water course bottoms.

One resultant peak reading of  $+4^{\circ}$  was obtained on the north part of line 4E. This might be considered a marginal anomaly but since the "anomaly" is entirely positive it is likely a magnetite effect also.

CONCLUSIONS

1. The mineralized zone, in the vicinity of its exposure, is not a good conductor. This may be due to its limited extent or the physical character of the mineralization. It is not possible to trace this zone by the standard JEM method employed.
2. No substantial conductors, within 100 ft. of the surface, were detected in the area surveyed.
3. The work was somewhat inconclusive because the full survey grid was not covered and detailed checking by the vertical loop method was prevented for the reason given previously.

Respectfully submitted by

A.F. REEVE. P. Eng.

November 6, 1964.

