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REPORT ON
GEOPHYSICAL SURVEY
ON PROPERTY
OF
MARTIN-BENT MINING LIMITED
LOWER AGUASABON LAKE AREA
ONTARIO

Prepared by:

W.J. Elliott, M.A.Sc., E. Eng.

For:

ELLIOTT EXPLORATION SERVICE
LIMITED

Elliott Exploration Services Limited

REPORT ON
GEOPHYSICAL SURVEY
ON PROPERTY
OF
MARTIN-HUNT MINING LIMITED
LOWER AGUASABON LAKE AREA
ONTARIO

INTRODUCTION:

This report describes the results of an electromagnetic survey over a portion of the Owl Lake property of Martin-Hunt Mining Limited.

The survey was carried out on October 31st, 1965, and the results are depicted on the map accompanying this report. The purpose of the survey was to define more accurately a molybdenite-bearing sulphide zone on claim T.B. 109491, which was exposed on surface. A magnetometer and self-potential survey was carried over the claims by previous owners

PROPERTY, LOCATION AND ACCESS:

The claim-group is located on the west side of Owl Lake in the Lower Aguasabon Lake area, Fort Arthur Mining Division, Province of Ontario. The property is comprised of nine unpatented claims, totalling approximately 360 acres, and which are numbered as follows:

T.B. 109491 and T.B. 109492	2 claims
T.B. 109495 to T.B. 109501 incl.	<u>7 claims</u>
Total	9 claims

Access to the property may be gained from the Town of Terrace Bay on Highway 17, via a gravel road from Terrace Bay to the Ontario Hydro dam control site at the juncture of Lower Lake and Aguasabon River. The distance along this road is approximately 20 miles to a point slightly over one mile to the south end of Owl Lake. Alternatively, the claim-group may be reached by bush aircraft from Rays Flat to Owl Lake, a distance of approximately 30 miles.

TERMS OF REFERENCE:

A pre-existing base line with picket lines spaced at 200-foot intervals was used as the control grid for the survey. The lines surveyed were Line 6W to Line 16W inclusive. The instrument used was a Sheridan-Kalk Magniphase horizontal loop, single-frequency electromagnetic unit. Readings were taken every 100 feet along the picket lines, except in anomalous areas where 50-foot readings were taken.

RESULTS OF SURVEY:

A conductive zone varying in width from 75 feet to 200 feet was indicated extending from Line 14W to Line 8W. The conductor coincided with a magnetic anomalous zone, and drilling within the zone encountered heavy pyrite and pyrrhotite, explaining the cause of the conductor. There appears to be no relationship between the amount of metallic sulphides and the molybdenite, but the electromagnetic results have outlined the favourable zone.

CONCLUSIONS AND RECOMMENDATIONS:

To date no economic molybdenite mineralization has been encountered in diamond drilling, but as the full length of the zone indicated by geophysics has not been investigated it is recommended th

additional drilling be carried out to the east. This would entail drilling several short holes 50 feet apart and would total approximately 600 feet of diamond drilling. The cost is estimated at \$5,000.00.
DATED December 7th, 1965.

Respectfully submitted,

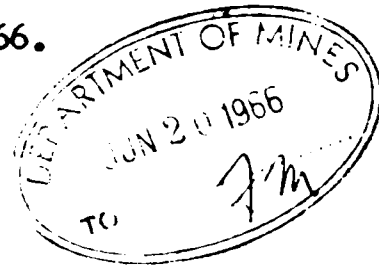
ELLIOTT EXPLORATION SERVICES LIMITED

W. J. Elliott
W. J. Elliott, M.A.Sc., F. Eng. *WJE*



ONTARIO
DEPARTMENT OF MINES

June 17, 1966.



Mr. J. R. McGinn,
Chief Mining Recorder,
Ontario Department of Mines,
Parliament Buildings,
Toronto 2, Ontario.

Dear Sir:

We have to-day recorded 21 days
Geophysical assessment work on mining claim
T.B.109491.

This work was submitted by Martin-
Hunt Mining Limited, Suite 403, 62 Richmond
Street, West, Toronto, Ontario, Attention: Mr. H.
Shlesinger.

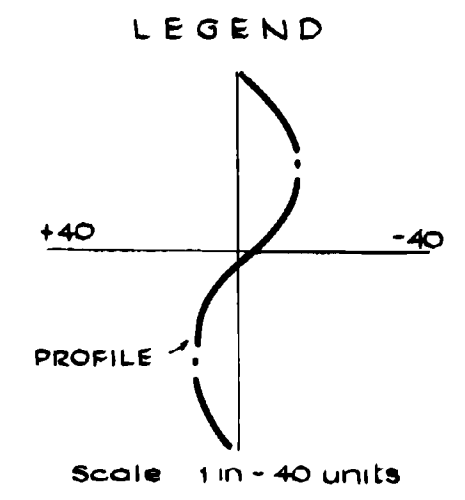
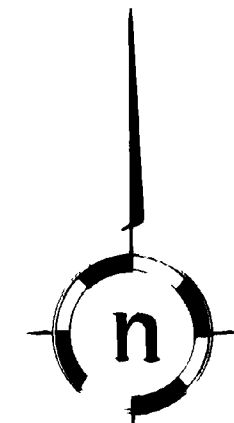
The reports, maps, in duplicate, are
being forwarded directly to the Department.

Yours very truly,

J. C. Smith,
Mining Recorder.

*FA

c.c. Martin-Hunt Mining Limited,
Suite 403, 62 Richmond Street, West,
Toronto, Ontario.



MARTIN-HUNT MINING LIMITED
 AGUASABON LAKE AREA, PORT ARTHUR MIN DIV. ONT.

E.M. MAGNIPHASE SURVEY

ELLIOTT EXPLORATION SERVICES LTD.



[Signature]
 Nov. '65

