

4408

REPORT ON MAGNETOMETER SURVEY

POD GROUP OF CLAIMS

HIGHLAND VALLEY

KAMLOOPS MINING DIVISION

Lat. $50^{\circ}35'$ Long. $120^{\circ}55'$

92 I / 10 W

for

DUSTY MAC MINES LTD. (N.P.L.)

By: James R. Glass, P. Eng.

June 6, 1973.

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 4408	MAP

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#1 Magnetometer survey

SUMMARY

Dusty Mac Mines Ltd. (N.P.L.) carried out a magnetometer survey over the Pod Group of claims between April 8th and April 18th, 1973. Control for the survey was established by marking and chaining lines and tying them into claim posts.

PROPERTY

The property, consisting of 29 contiguous claims, is located about 4 miles west of Tunka Lake, in the Highland Valley, Kamloops Mining Division, Lat. $50^{\circ} 35'$, Long. $120^{\circ} 55'$. The claims are registered as follows:-

<u>Name of Claim</u>	<u>Record No.</u>	<u>Owner</u>
Pod 1 to 4 Incl.	79422 to 79425 Incl.	Donald J. McDonald
Pod 6	79427	Donald J. McDonald
Pod 8	79429	Donald J. McDonald
Pod 10	79431	Donald J. McDonald
Pod 11 to 16 Incl.	79432 to 79437 Incl.	Maxwell Martin
Pod 17 to 24 Incl.	88362 to 88369 Incl.	Joseph E. McDonald
Pod 25 to 28 Incl.	79446 to 79449 Incl.	Walter Bonin
Pod 29 to 32 Incl.	97141 to 97144 Incl.	Walter Bonin

GEOLOGY

The rocks in the area consist of granodiorite and quartz diorite, which is part of the Highland Valley Quartz Diorite batholith.

The outcrops on the property show little to no alteration, and appear to be in general quite massive.

MINERALIZATION

One small prospect pit located near the eastern border of Pod 2 shows some copper mineralization associated with two narrow quartz veins.

Minor pyrite is seen on claims Pod 11 and 13.

AERO MAGNETICS

The Government aeromagnetic maps show that the northern part of the claim group lies partly on a one square mile area with a magnetic reading of 25 gammas in a field of 3200 gammas, and a similar low condition in the southern part of the claims. Because of these anomalies the ground magnetometer survey was carried out.

HISTORY OF PROPERTY

The only recorded work that has been carried out on these claims is a preliminary map and a reconnaissance I. P. survey which was done under the supervision of Andrew E. Neven, Ph. D., P. Eng. in August 1971.

Prior to this work prospectors had dug a small pit on the one copper showing.

MAGNETOMETER SURVEY

The work carried out by Dusty Mac Mines Ltd. consisted of surveying and marking control lines carrying out a ground magnetometer survey.

An east-west base line was established and nine cross lines marked in a direction N 6° W. These lines were flagged and marked at 100 foot intervals.

The magnetometer readings were taken using one Sharpe Model M.F. 1 and one McPhar Model M-700. The two instruments were calibrated at a base station which was used to check any diurnal variations. Readings were taken at 100 foot intervals along the lines, and notes on topography and outcrop patterns were made.

The survey was carried out by the writer and Seamus Young (field assistant). Two other men were employed to chain and mark the control lines.

A map of scale 1" = 400' showing the readings obtained and the magnetic contours has been prepared and is included with this Report.

RESULTS OF SURVEY

The survey shows that no large area with low magnetic readings is found on the Pod Group of claims, either in the northern or southern part of the group.

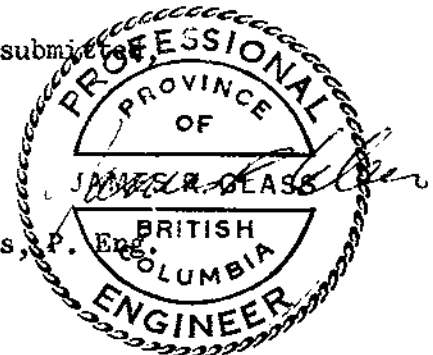
One small area of magnetic relief is found in the southern portion of Claim Pod 2 and some moderate relief is found in claims Pod 3 and 4. These areas are largely outcrop and it is felt by the writer that the magnetic variations are mainly due to topographic features and overburden thickness.

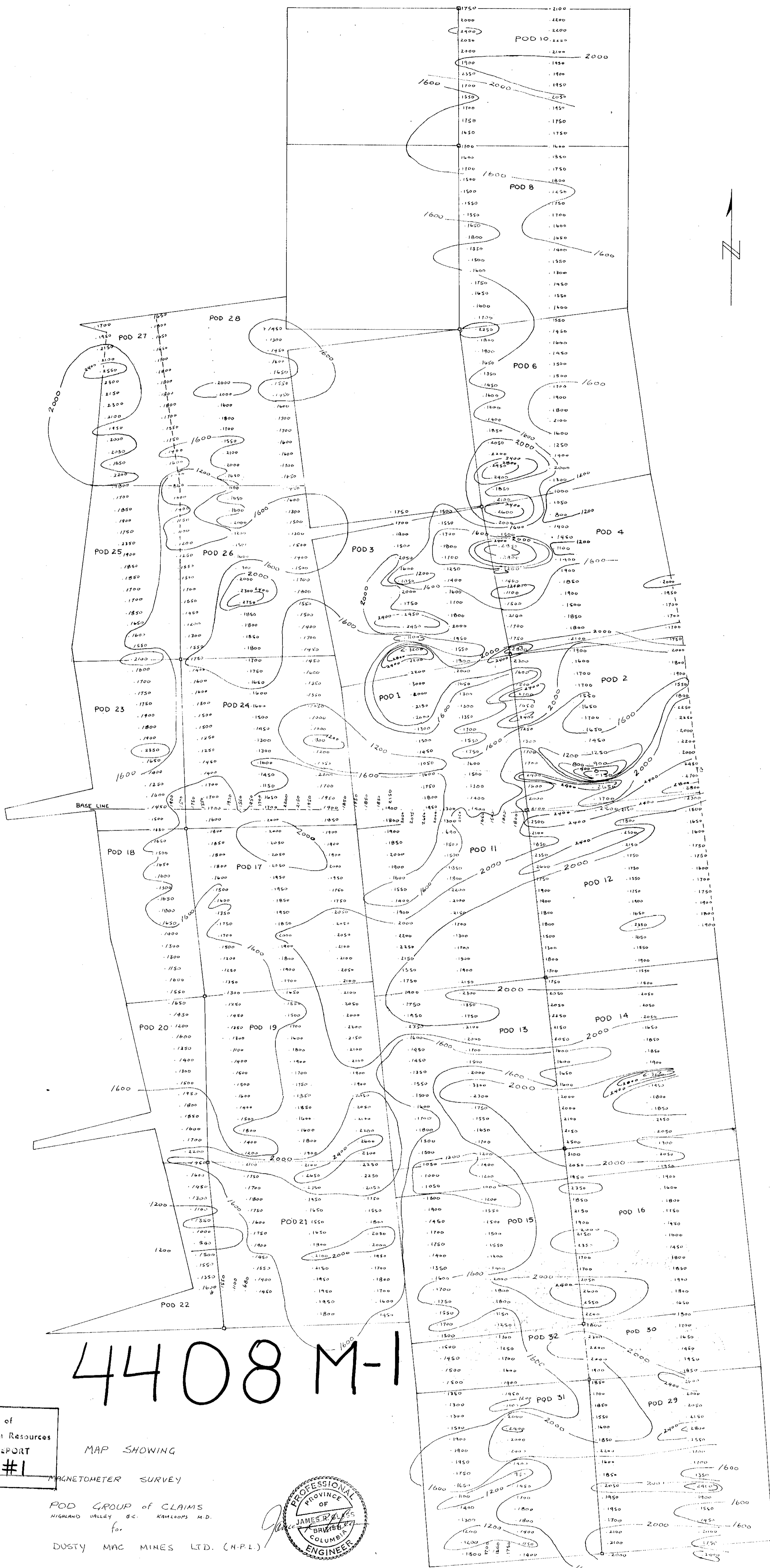
STATEMENT OF COSTS

	<u>Time</u>
James R. Glass, P. Eng	6 days
Seamuns Young (field assistant - Mag. survey)	2 days
Philip Renouf	4 days
Douglas Cannon	1 day
 Line cutting and magnetometer survey -	
16.6 miles @ \$175.00 per mile	\$2,900.00

Respectfully submitted,

James R. Glass, P. Eng.



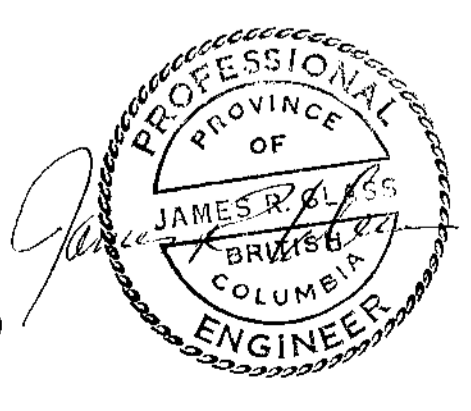


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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
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MAP SHOWING
MAGNETOMETER SURVEY

POD GROUP of CLAIMS
HIGHLAND VALLEY BC. KAMLOOPS M.D.
for
DUSTY MAC MINES LTD. (M.P.L.)



Scale 1" = 400' June 1973
To Accompany report by JAMES R. GLASS P. Eng.