



Telephone: 261-0688

*Joe Sullivan, P. Eng.*

*Mine Exploration*

*2766 West 30th Ave.,*

*Vancouver 8, B.C.*

772

BEE GROUP OF MINERAL CLAIMS

50° 120° <sup>N. E.</sup>  
<sub>S. W.</sub>

3 MILES SOUTH OF KNUTSFORD, B. C.

By

Joseph Sullivan, P. Eng.

For

MINERAL MOUNTAIN MINES LTD.

NOV. 16, 1965 TO DEC. 4, 1965

REPORT DATE:

April 22, 1966

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MAPS:

- #1 CLAIM SKETCH . . . . . (after page 2)
- #2 ELECTROMAGNETIC SURVEY PLAN. . . . . (in back pocket)
- #3 *magnometer survey* - do -

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BEE GROUP OF MINERAL CLAIMS  
51° 120° S. W.  
3 MILES SOUTH OF KNUTSFORD, B. C.  
By  
Joseph Sullivan, P. Eng.

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INTRODUCTION:

During the period November 16, 1965 to December 4, 1965, under the writer's supervision, 11.2 line miles of magnetometer survey and 8.2 line miles of electromagnetic survey were conducted on the Bee Group of Mineral claims.

The work was done on behalf of Mineral Mountain Mines Ltd., 789 West Pender Street, Vancouver, B. C. Mr. R. Granger, 1940 Comox Street, Vancouver, was contracted, with his magnetometer and electromagnetic instrument, to do the instrumentation. Mr. Don Faulkener of Merritt, B. C., was employed by Mineral Mountain on a casual basis to assist Mr. Granger with the layout of the grid lines.

PROPERTY AND LOCATION:

There are 22 located claims in one contiguous group, namely:

MO Nos. 1, 2, 3, 4, 23, 24, 25, and 26

BEE Nos. 1 to 6 inclusive

DR Nos. 1 to 8 inclusive

The group spreads across highway No. 5 at Separation Lake  $2\frac{1}{2}$  miles south of Knutsford, B. C. All the claims are in the Kamloops Mining Division.

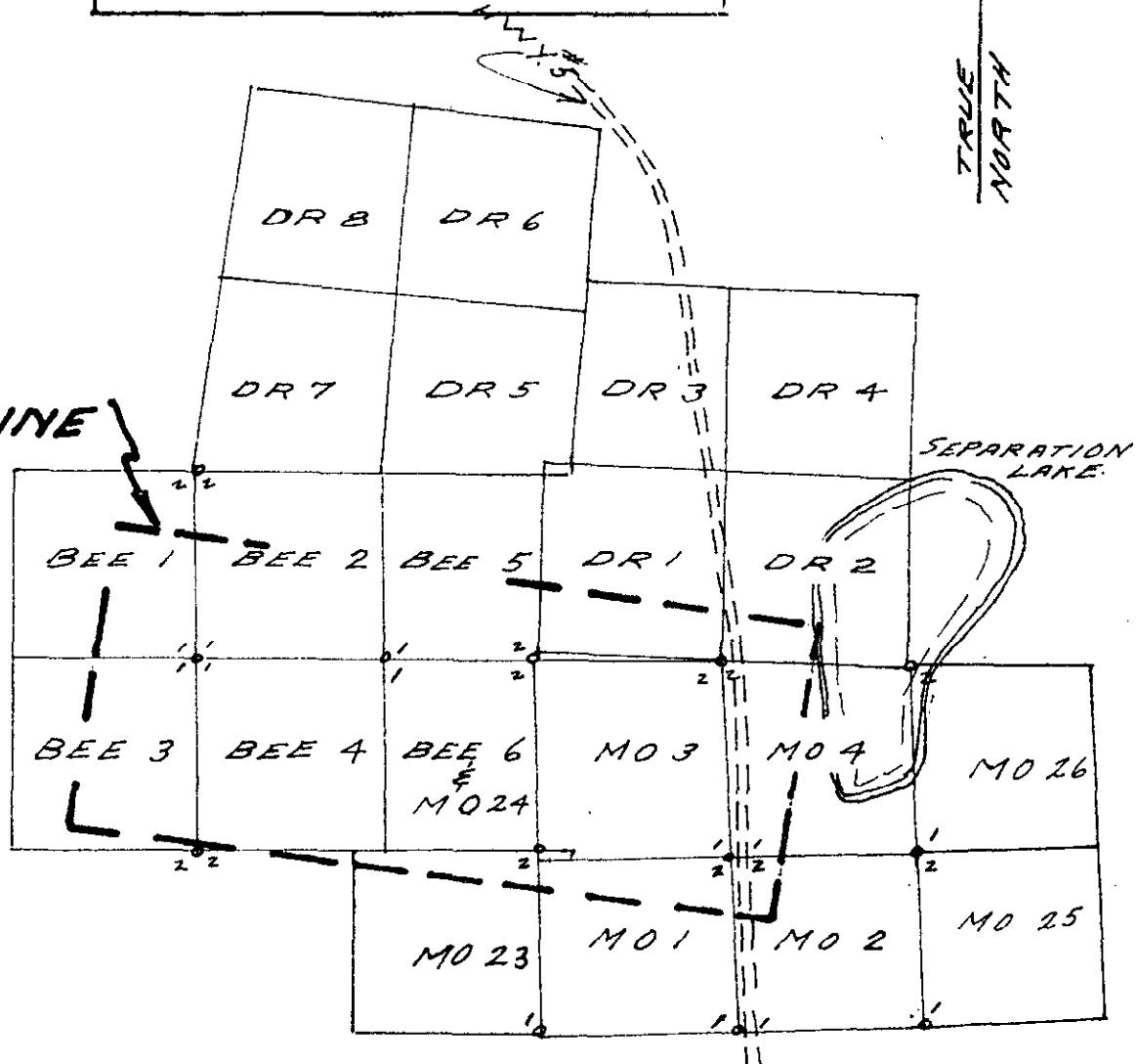
Several years ago this property was referred to as the Grey Mask, which is the reason for Mr. Granger using that name on his tracings. However, it has been grouped under the name of "BEE" because this name is current and does not conflict with any of the surrounding claims.

A claim sketch follows this page. This also includes an outline of the grid used for the surveys. The approximate location of the claim posts inside or close to the grid are given as a reference. On the 200 scale maps in the back folder the No. 1 posts for Bee Nos. 1 and 2, on the west side and MO Nos. 3 and 4 on the east side have been tied to the grid lines.

Department of  
 Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
 NO. **772** MAP **#1**



**GRID  
OUTLINE**



<b>MINERAL MOUNTAIN MINES LTD.</b>		
PROPERTY: BEE GROUP.	LOCATION: SEPARATION L.	SUBJECT: CLAIM - SKETCH
SCALE: 1" = 1500'	DATE: APRIL 23, 1966	BY: J. Sullivan

METHODS OF SURVEY:

For the magnetic survey a Fluxgate M.F.1 magnetometer was used.

For the electromagnetic survey a Sharpes S.E.200 electromagnetic system was used.

PROCEDURE:

The baseline was laid out in an east-northeast direction for a distance of 5,800 feet. The cross line and additional stations brought the total line mileage up to 11.2 as illustrated on the magnetic plan in the back folder. The electromagnetic survey was only 8.2 miles because of the interference from hydro and fence lines.

Mr. Granger did the magnetometer readings while Mr. Faulkener was finishing the grid. Then both men worked on the operation of the E.M. System. The writer laid out the work and spent three days in the field and one day working on the plans during the period in which the work was conducted.

## SURVEY RESULTS:

To the west, on the baseline between crosslines 4W and 4E, and for a distance of 600 feet north the gamma count rose 60 or 70 gammas over an area containing disseminated pyrite and chalcopyrite in a diorite host rock. In general the area was interesting but the results were leading the work westerly and off the claim group.

To the east, chiefly on the west side of the No. 5 highway for 1,000 feet, are interesting clusters of high and low readings through a range of 430 gammas. The northerly portion on MO No. 3 claim is a nose of magnetic highs that points westerly into an extremely irregular magnetic depression. The higher readings in the 950 to 1,050 gamma range point again into a smaller irregular magnetic depression about 300 feet southwest of the No. 1 post for the MO No. 3 claim.

The writer is showing more interest in the depressed areas at this time because the second mentioned depression covers an area explored by a shaft and a drift several years ago. A small pile of "muck" containing chlorite, carbonate, specularite, and chalcopyrite lies around the old shaft. Further south, 200 feet north of the pond in the southeast corner of the magnetic plan, the material excavated from a well during 1965 contains traces of chlorite

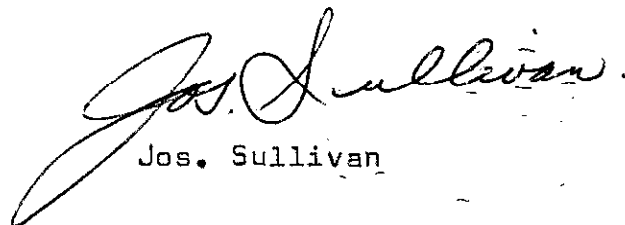
alteration and chalcopyrite.

Further, the electromagnetic survey shows more conductivity in the depressed areas than in the zones of strongest magnetism. (See electromagnetic survey plan).

INTERPRETATION:

On the northerly extension of line 28E the isolated zone of plus 1000 gamma readings contains loose gabbroic outcrop. The writer suggests that the magnetic highs of that range close to the highway represent a similar type of intrusive rock. The surrounding depressed areas are at times strong conductors which may be due to sulphide mineral forming along or adjacent to the intrusive contacts.

Respectfully submitted,

  
Jos. Sullivan



FILM

772



Joe Sullivan, P. Eng.

Mine Exploration

2766 West 30th Ave.,  
Vancouver 8, B.C.

Telephone: 261-0688

June 9, 1966

Mr. J. Sell,  
Mining Recorder,  
Court House,  
Kamloops, B. C.



Dear Sir:

Re: Bee Group of Mineral Claims  
Magnetometer Survey Report

I believe the following information is the data you requested in your letter to me on May 24th, 1966:

(1) Magnetometer Survey Procedure (MF-1):

The instrument was levelled at 100 foot intervals on both the baseline and the crosslines. The readings plotted on the magnetometer map are the magnetic readings at that point, after a daily correction has been applied.

(2) Electromagnetic Survey Procedure (SE 200):

This is spoken of as a high resolution reconnaissance method, or, more commonly, a parallel line method.

On the Bee Group Survey, the receiver and the transmitter were spaced 400 feet apart or closer. The spacing of the crosslines indicates the spacing of the equipment.

The receiver and the transmitter were moved parallel to each other with the null-tilt angle read at 100 foot intervals. The plot of the survey is a series of graphs where the null-tilt angle is recorded in degrees. The readings are plotted on the receiver line. The small arrow on each curve indicates both the direction of the transmitter and the positive side of the graph.

When the readings were taken the receiver coil was held in a horizontal position and the transmitter coil was held vertically.



Mr. J. Sell,

June 9, 1966

(3) Time and Pay of Personnel:

Don Faulkner, Box 441, Merritt, B. C.

November 16 - 20 incl.	5 days
November 22 - 27 incl.	6 days
November 29 - December 3 incl.	<u>5 days</u>
	<u>16 days</u>

16 days @ \$20.00/day	\$ <u>320.00</u>
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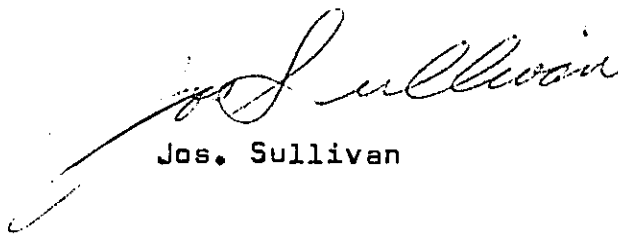
R. H. Granger, 1942 Comox Street, Vancouver, B. C.

Contract billing attached	\$ <u>985.50</u>
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Joseph Sullivan, 2766 West 30th Avenue, Vancouver, B. C.

4 days @ \$100.00/day	\$ <u>400.00</u>
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Respectfully,



Jos. Sullivan

JS/LA

DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.  
To Wit:

In the Matter of THE BEE GROUP  
OF MINERAL CLAIMS IN  
THE HAILLOOPS M.D.

SUB-MINING RECORDER  
RECEIVED  
APR 28 1966  
M.R. #88920 \$86.00  
VANCOUVER, B.C.

I, Joseph Sullivan  
of 2766 W 30<sup>th</sup> Ave, Vancouver 8, B.C.

in the Province of British Columbia, do solemnly declare that monies were spent  
on these claims between the 16<sup>th</sup> day of November 1965  
and the 4<sup>th</sup> day of December 1965 in the manner  
and amounts as follows:

To:  
MR. RON GRANGER, 1940 Comox St. Vancouver, B.C.  
FOR INSTRUMENTATION OF 11.2 LINE-MILES OF  
MAGNETOMETER READINGS AND THE PLOT THEREOF. \$616.00

To: MR. RON GRANGER,  
FOR INSTRUMENTATION OF 8.2 MILES OF  
ELECTROMAGNETIC READINGS AND PLOT THEREOF; \$369.50

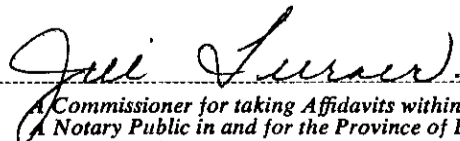
To: MR. DON FAULKNER, PROSPECTOR, MERRITT, B.C.  
FOR LINE CUTTING AND ASSISTANT TO R. GRANGER  
16 days @ \$20<sup>00</sup> per day \$320<sup>00</sup>

To: JOSEPH SULLIVAN, P. ENG., 2766 W 30<sup>th</sup> AVE.  
VANCOUVER B.C.  
4 days @ 100<sup>00</sup> per day. TOTAL = \$1705.50

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of

the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this 28  
day of April 1966, A.D.



Commissioner for taking Affidavits within British Columbia or  
Notary Public in and for the Province of British Columbia.

Sub-mining Recorder

Company: Mineral Mountain Mines Ltd.  
% for Sullivan.

Property: Grey Mask Group, Kamloops, B.C.

Period: Nov. - Dec. 1965

Project: Magnetic & Electro-mag. surveys.



Magnetic Survey: Sharpe MF-1.

59,000' - 11.2 mi. @ \$55 (incl. lines)

\$ 616.00

E-M Survey: Sharpe SE-300.

43,200' - 8.2 mi. @ \$45

369.50

Total Billing:

\$ 985.50

*R. H. Gray*

Mobile in  
Trust acct  
total 1397.32  
cheque # 130.

OK  
C.

Company: Mineral Mountain Mines Ltd.  
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+

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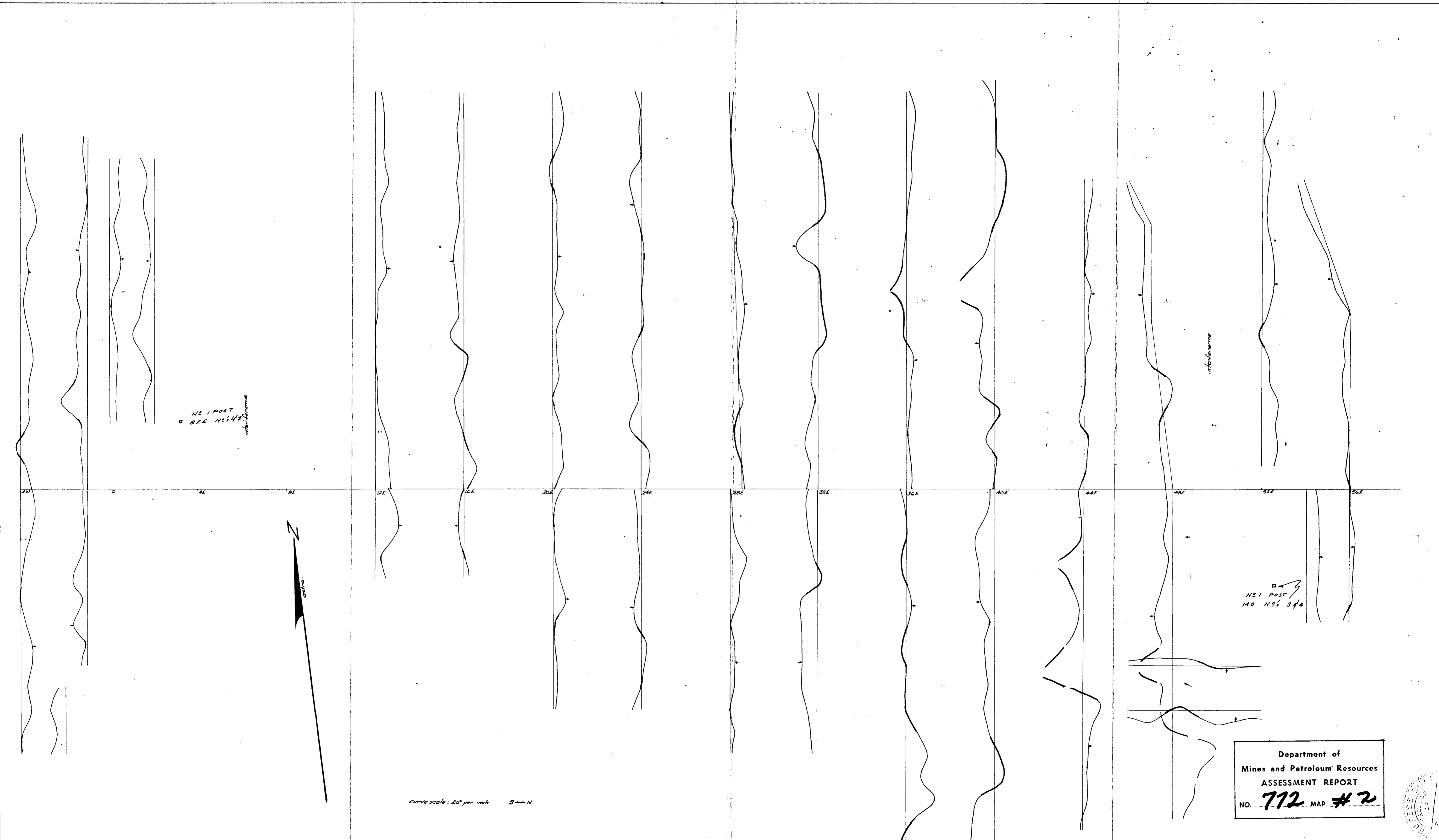
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*R. H. Gray*

Mobile in  
Trust Acct  
Total 1397.32  
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OK  
C

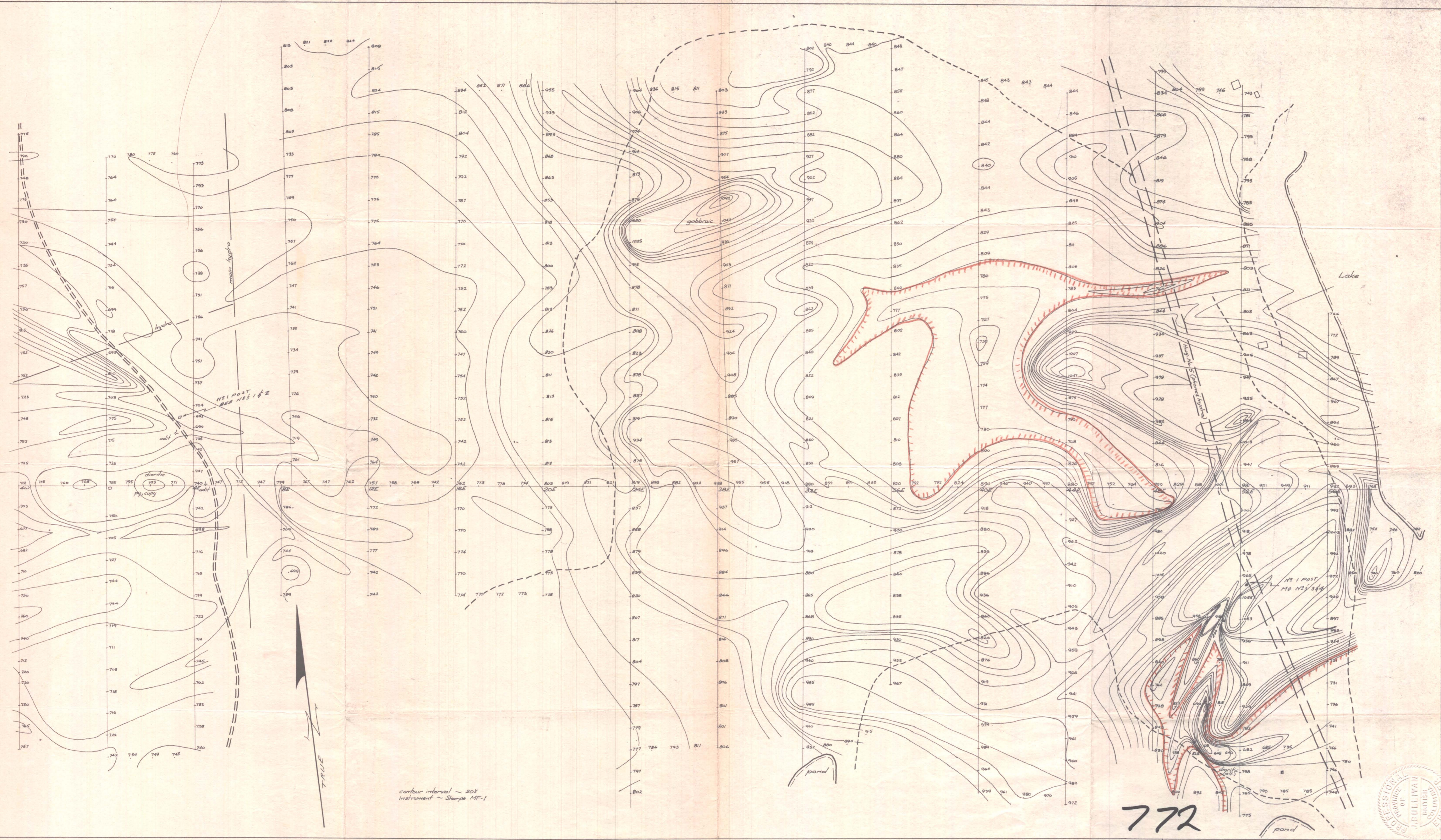


Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **772** MAP # **2**

TO ACCOMPANY GEOPHYSICAL REPORT BY J.S. SULLIVAN, P. ENG ON THE  
BEE GROUP, 3 MILES SOUTH OF KNUTSFORD, KAMLOOPS M.D. DATED APRIL 22, 1966.

MINERAL MOUNTAIN MINES LIMITED		
Property: Grey Mask Group	Project: Electro-mag. Survey	Location: Kamloops
Scale: 1"=200'	Date: Dec. 4, 1965	Survey by: R.A. Granger





Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **772** MAP **#3**

TO ACCOMPANY GEOPHYSICAL REPORT BY JDS. SULLIVAN, P. ENG ON THE BEE GROUP,  
3 MILES SOUTH OF KNUTSFORD, KAMLOOPS, M.D. DATED APRIL 22, 1966.

MINERAL MOUNTAIN MINES LIMITED #772		
Property: Grey Mask Group	Project: Magnetometer Survey	Location: Kamloops
Scale: 1"=200'	Date: Dec. 4, 1965	Survey by: R.A. Granger

Reduce this to this x 1/6.6

