

GEOPHYSICAL REPORT
EVENING STAR - BOMBINI GROUP
1.5 MILES N.E. OF ATWOOD MOUNTAIN
49° 118° S. W.

By

Joseph Sullivan, P. Eng.

For

BOMARC MINING CO. LTD.

FROM FEB. 27, 1968 TO MAR. 26, 1968

82 E/2E

1232



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Mine Exploration

*No. 5 - 2116 West 39th Avenue
Vancouver 13, B.C.*

1232

REPORT ON
THE EVENING STAR - BOMBINI GROUP
GREENWOOD M. D.
BRITISH COLUMBIA

Submitted to:

BOMARC MINING CO. LTD.
404-510 West Hastings Street
Vancouver 2, B. C.

By

Joseph Sullivan, P. Eng.

March 26, 1968

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MAPS:

RECONNAISSANCE MAGNETIC SURVEY. . . #1 (Back folder)

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A MAGNETIC SURVEY
ON
THE EVENING STAR - BOMBINI CLAIMS
OF
BOMARC MINING CO. LTD.

INTRODUCTION:

On October 14, 1967 Mr. C. H. Donaldson, P.Eng., recommended thirty miles of survey on these mineral claims, including induced polarization, self potential, and soil sampling. The object of the work reported herein was to locate, by magnetometer, a starting point for Mr. Donaldson's recommendations, so as to reduce the cost of the reconnaissance phase.

PROPERTY:

There is a contiguous group of 42 claims and two fractions held by lease or by location. They are as follows:

<u>Crown Grants</u>		<u>Locations</u>	
<u>Name</u>	<u>Lot No.</u>	<u>Name</u>	<u>Record No.</u>
Keno	1319	Joe 1, 2, 5 to 20)	25113-25132
Ophir	1066	Joe 3 Fr & 4 Fr)	
Rattler	1265	Keno Extension	12626
Lookout	930	Hidden Treasure 1-8	25254-25261
Fanny Joe	729	Ike 1 - 6	26190-26195
Sunnyside	2879	Sam 1 - 2	26146-26147
Evening Star	1681		

At this time the group is under option by Bomarc Mining Co. Ltd., 404 - 510 West Hastings Street, Vancouver 2, B. C.

LOCATION: (49° 118° SW)

The property lies in the Greenwood Mining Division of British Columbia, 1.5 miles northeast of Atwood Mountain. Greenwood city is approximately eight miles west, and Grand Forks city is 14 miles east. B. C. Forest service roads approach from Skeff Creek, Lund Creek, and Phoenix Mining Camp.

SURVEY CONTROL:

A baseline was cut 3,750 feet long bearing S 25° W from the old railroad grade on the Keno claim, through the Evening Star claim to the No. 7 Road. This line was used as a "tie" for pace and compass traverses along the roads, and as the origin for three 1,400 foot easterly crosslines. All lines and traverses have been plotted on the plan map in the back cover of this report.

In the northerly portion of the area covered where the roads are close to the baseline the maximum adjustment to a traverse was 50 feet. On the south end of the baseline at station 37 + 50 S the road traverse had to be adjusted by 150 feet. This accuracy however, proved to be sufficient for a reconnaissance type of survey.

EQUIPMENT AND PROCEDURE:

The instrument used for the survey was a Sharpes MF-1 magnetometer.

The first reading taken was at station BL 2+005 on March 1, 1968 at 7:30 A.M. The time and date was recorded with each subsequent reading so that all magnetic values could be corrected for daily and diurnal changes.

The baseline, the crosslines, and the roads were read at 200 foot intervals. Each corrected reading was plotted on the plan, and, where possible, magnetic contours were drawn.

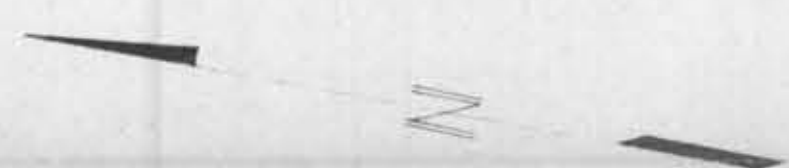
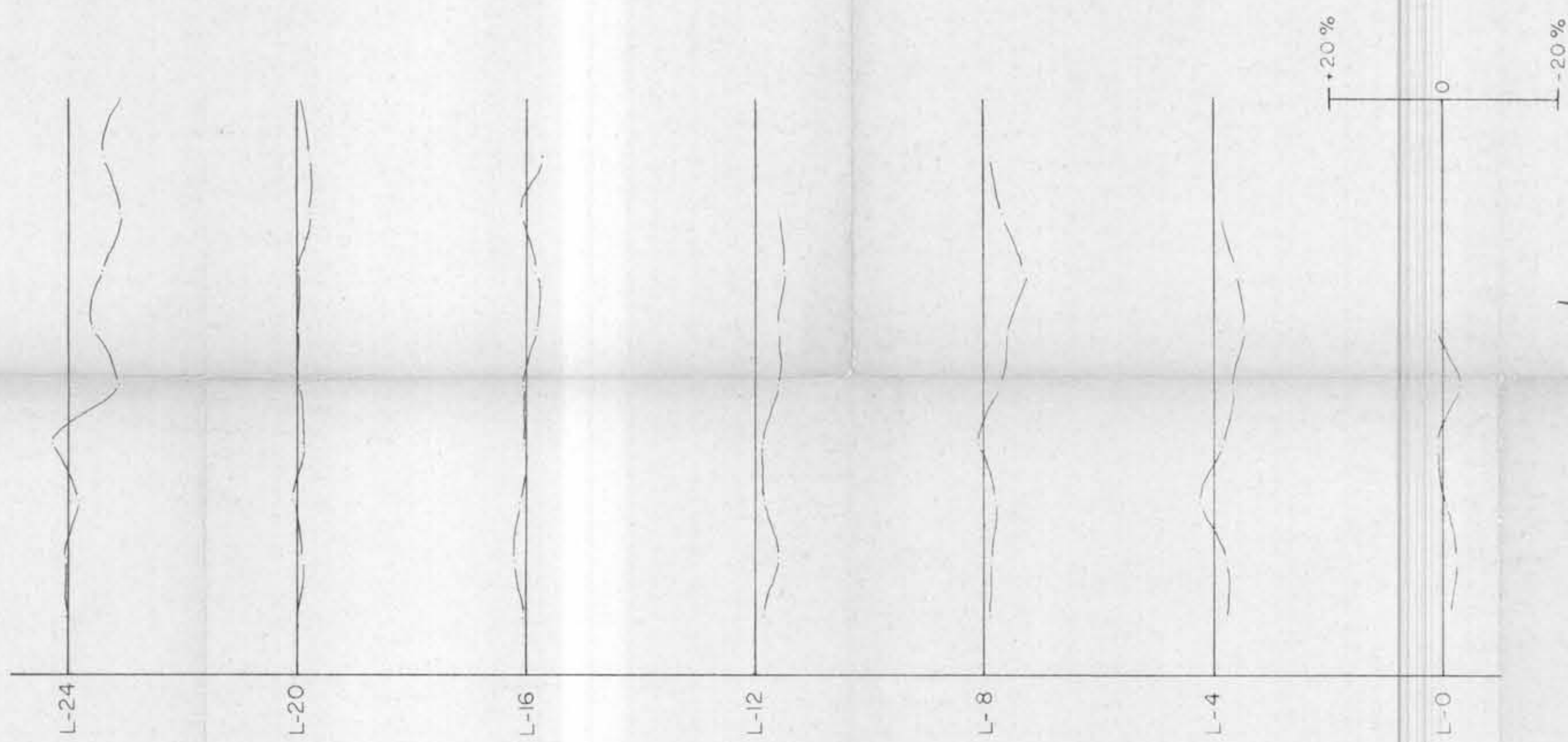
SURVEY RESULTS:

A magnetic high zone was indicated trending east-west on the Evening Star within 300 feet of its south boundary. This anomaly is closed in the southwest corner of the claim but is open to the east and may continue to the Sam No. 1 M.C. The location and trend of the zone coincide with the trend of a "high grade vein" and disseminated copper-magnetite mineralization exposed by Mr. Donaldson's trenching program in the late summer of 1967. Therefore, the preliminary grid for later geophysical and geochemical work has been outlined on the plan, to explore in an east-

west direction using line 20 + 00E as a base.

Respectfully,

Jos. Sullivan, P. Eng.
Jos. Sullivan



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1231 MAP 12



O'KEEFE MOUNTAIN MINES LTD (N.P.L.)	
MacDONALD CONSULTANTS LIMITED	
11 - 425 HOWE ST.	VANCOUVER 1, B.C.
CRONE 'E.M.' SURVEY	
SCALE	1 in = 200 ft
DRAWN	C.V.D.
DATE	JAN. 1968
NUMBER	216-21
'KIM' GRID	

1231