

GEOLOGICAL & GEOPHYSICAL REPORT ON EVE 3 & ⁹ CLAIMS

by J. M. Black, P.Eng.

TABLE OF CONTENTS

Introduction	Page 1
General	" 1
Geology	" 1
Magnetics and interpretation	" 1
Scintillometer survey	" 2
Employment	" 2
Cost	" 2

#1 Figure 1, Plan and Profile of Eve 3 & 9 claims (bound in back)

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2600 MAP

INTRODUCTION

A survey was made of claims Eve 3 and 9. A magnetic anomaly was mapped and scintillometer traverses were run where the magnetic gradient is steepest. All outcrops seen are indicated on the accompanying map.

GENERAL

The southern two thirds of the claims is gently rolling. It is mostly covered by unsorted glacial debris. There are some residual ridges between moderately steep-sided gullies.

The northern third is a moderately steep slope that, in the part examined, has no natural exposures. A road cut at the base of the slope exposes bedrock.

GEOLOGY

Bedded rocks include limestone, greenstone (which is possibly flows and tuffaceous material) and silicious beds. The limestone is thin-bedded and grey. It strikes northeast and dips moderately northwestward. Southeast of it are interbedded greenstone and silicious beds with different attitudes. This series appears to be contorted or complexly folded. These rocks are probably part of the Cache Creek series.

In the southern part of the area gabbro is exposed. This is moderate to coarse-grained. In places, it contains visible magnetite and is appreciably magnetic. It appears to form a fair sized mass and may be related to the Coast Intrusives.

Dykes or sills that may be related to this gabbro may cut the bedded rocks.

MAGNETICS & INTERPRETATION

A Sharpe magnetometer FMF-3, No. 40512 was used. Traverses were run by pace and compass along the location line and from it.

As shown on the accompanying figure, an anomaly of about 5,000 gammas

occurs in the west central part of the claims. The increase in intensity is very gradual. Here, a road cut exposes more than 20' of glacial overburden.

Such an anomaly, where bedrock is relatively deep, suggests that it may be caused by a source with a fairly high magnetic intensity. Also, the fact that readings are higher than near exposures of magnetic gabbro, suggests that the anomaly is caused by something with a higher concentration of magnetite than the gabbro.

A profile along the location line, across the anomaly, is shown on Figure 1. A smooth curve has been drawn in order to make depth estimates.

Depth estimates, based on the half-width rule, Peter's rule and slope-distance rule, are 220', 181' and 160' respectively.

The lack of a negative anomaly may indicate that the lower pole of the causative body is at considerable depth.

The anomaly is north and northwest of the gabbro exposures and may be on the contact between the gabbro mass and the bedded rocks.

SCINTILLOMETER SURVEY

The instrument used was a Scintrex gamma ray spectrometer, No. 807148. It is read in counts per second. Traverses were run by pace and compass where the magnetic gradient was steepest.

Readings are higher where the magnetic intensity is greater, but not by a significant amount.

EMPLOYMENT

The work was done by J. M. Black on the following dates: Sept. 19, 1969, $\frac{1}{2}$ day; Sept. 9, 10, 1970; Sept. 24, 28, 1970.

COST

J. M. Black, $4\frac{1}{2}$ days @ \$75	\$337.50	
Car rental, $2\frac{1}{2}$ days @ \$20	50.00	
Living costs, $2\frac{1}{2}$ days @ \$10	25.00	
Magnetometer, 3 days @ \$10	30.00	
Spectrometer, 1 day @ \$20	20.00	
		<u>20.00</u>
Total:		\$462.50

J. M. Black

Declared before me at the City, in the
of Amnawood,
Province of British Columbia, this 30
day of Sept. 1970, A.D.

J.P.B. mba

Jule J. J. J.
A Commissioner for taking Affidavits Within British Columbia or
A Notary Public in and for the Province of British Columbia.

Handwritten notes and stamps in the bottom left corner, including a circular stamp.

Small rectangular stamp or mark.

Small rectangular stamp or mark.

