

REPORT ON A  
MAGNETIC SURVEY  
GODD MINERAL CLAIM  
KELOWNA, B.C.

on behalf of

Mr. H. WESSEL  
Vancouver, B.C.

by

RICHARD O. CROSBY, B.Sc., P.Eng.

LOCATION: About 27 kilometers west of Kelowna, B.C.  
Nicola Mining Division  
50°01'N - 119°51'W

October 1 - 4, 1978

Vancouver, B.C.

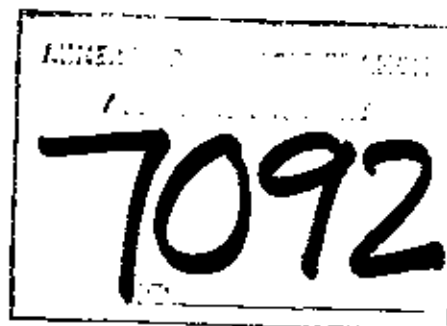


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SUMMARY

The Good Mineral Claims partially cover a northwesterly trending assemblage of ultrabasic rocks. Chromite exploration of similar rocks located immediately west and parallel to this group suggests that similar mineralization is expected. The magnetic survey suggests the presence of favorable ultrabasic rocks along the eastern edge of the northern survey line.

REPORT ON A MAGNETIC SURVEY  
GOOD MINERAL CLAIMS  
KELOWNA, B.C.

INTRODUCTION

During the period October 1 through October 4, 1978 a magnetic survey was conducted over a portion of the Good Mineral Claims by Mr. G. Von Rosen, P.Eng.

The property lies approximately 27 kilometers west of Kelowna, B.C. in the Nicola Mining Division at  $50^{\circ}01'N$  -  $119^{\circ}51'W$ . A Scintrex MF1 vertical force fluxgate magnetometer was employed for the survey.

The purpose of the survey was to locate magnetic responses arising from ultra basic rocks which are potential hosts for chromite.

For the present survey, two lines were oriented east-west along the southern portion of the claim. Two north-south lines were located at the eastern and western ends of these lines. Readings were taken at 25 and 50 meter intervals. A total of 3500 meters of line length was surveyed.

Diurnal control was maintained by repeating stations at 30 minute intervals and by checking magnetograms from the Victoria Magnetic Observatory.

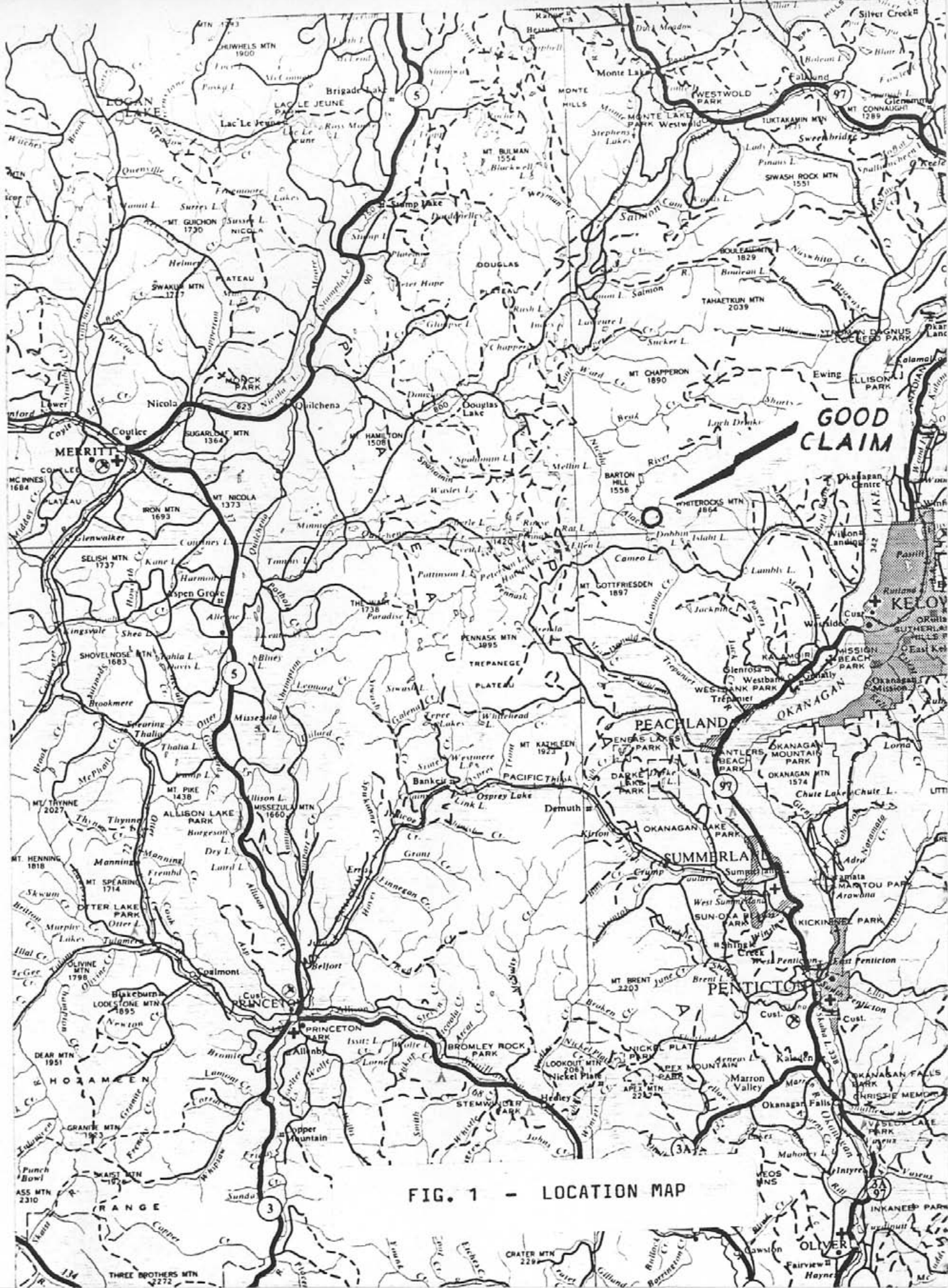


FIG. 1 - LOCATION MAP

## GEOLOGY

The area is underlain by metasediments and igneous rocks. The rocks of importance are the belt of serpentized peridotites described by Cairnes in the Geology of the Varnon area (1932, p. 94A). Segregated chromite occurs in these ultrabasic rocks and they are presently being explored by two mining companies.

## DISCUSSION OF RESULTS

Figure 2, at a scale of 1:5000, shows the magnetic results in profile at a vertical scale of 1cm = 200 gammas.

The data obtained along the east and west lines are tabulated below.

The data indicate that the majority of the claims in the area surveyed are underlain by moderately magnetic rocks except for an area extending westward for 400 meters from the eastern end of line 250.

<u>East Line</u>		<u>West Line</u>	
<u>Station</u>	<u>Value (Gammas)</u>	<u>Station</u>	<u>Value (Gammas)</u>
0 N	500	5 N	440
10 N	740	10 N	220
15 N	650	15 N	200
20 N	450	20 N	180
25 N	500	22.5 N	400

CONCLUSIONS AND RECOMMENDATIONS

The magnetometer survey completed over portions of the Good Mineral Claims group indicates the presence of ultrabasic rocks in the eastern portion of the group.

It is recommended therefore that a magnetic survey conducted along lines oriented east-west and separated by 100 meters be completed over the entire claim group in order to fully delineate the ultrabasic rocks.

Respectfully submitted,

*Richard O. Crosby*

A circular professional seal for Richard O. Crosby, a Professional Engineer in the Province of Columbia, B.C. The seal contains the text: "PROFESSIONAL ENGINEER OF PROVINCE OF COLUMBIA, B.C. RICHARD O. CROSBY". The seal is stamped over a handwritten signature of "Richard O. Crosby".

RICHARD O. CROSBY, P. Eng.

ASSESSMENT DETAILS

## GOOD MINERAL CLAIMS

LOCATION: NICOLA MINING DIVISION, B.C.  
50°01'N - 119°51'W

CLIENT: Mr. H. WESSEL

TYPE OF SURVEY: MAGNETIC

OPERATING MAN DAYS: 2

TRAVEL MAN DAYS: 2

CONSULTING MAN DAYS: 1

TOTAL MAN DAYS: 5

DATE STARTED: OCTOBER 1, 1978

DATE FINISHED: OCTOBER 4, 1978

TOTAL STATIONS OCCUPIED: 105

CONSULTANT: RICHARD O. CROSBY  
422 - 510 West Hastings Street  
Vancouver, B.C.

FIELD PERSONNEL: G. VON ROSEN  
GEAREX ENGINEERING  
Mission, B.C.

*Richard O. Crosby*

RICHARD O. CROSBY  
BRITISH  
COLUMBIA  
ENGINEER - ENG.

PROFESSIONAL  
PROVINCE  
OF  
COLUMBIA



STATEMENT OF COSTS

TRAVEL:	305 miles @ \$0.20/mile	\$ 196.00
GASOLINE:		48.00
ROOM & BOARD:		100.00
FLAGGING:		18.00
THREAD OF TOPOFIL:		8.00
TRUCK RENTAL:	4 days @ \$25 per day	100.00
LABOR (G. V. ROSEN):	4 days @ \$150 per day	600.00
INSTRUMENT RENTAL:		140.00
CONSULTING, INTERPRETATION, REPORTING:		410.00
		<hr/>
	TOTAL EXPENDED:	\$1,620.00
		=====

*Richard Crosby*

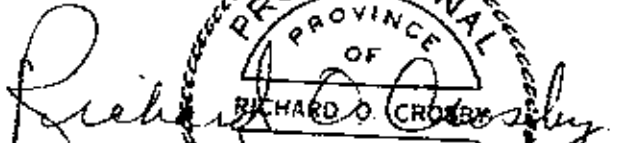
RICHARD O. CROSBY, B.Sc., P. Eng.  
Consulting Geophysicist

CERTIFICATION

I, Richard O. Crosby, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

1. I am a Consulting Geophysicist with offices at 422 - 510 West Hastings Street, Vancouver, B.C.
2. I am a registered Professional Engineer of British Columbia. I graduated from Washington State University in 1951.
3. I have practiced my profession for 23 years.
4. I have no interest, direct or indirect, in the mineral claims discussed in this report.
5. I am not aware of any claim conflict and believe that the data presented herein is reliable.
6. I consent to the use of this report in relating to the raising of funds for developing this project.

DATED at VANCOUVER, BRITISH COLUMBIA, this 25th day of October, 1978.

  
 RICHARD O. CROSBY, B.Sc., Eng.  
 PROFESSIONAL ENGINEER  
 PROVINCE OF BRITISH COLUMBIA