

A REPORT
ON THE MARG #3 CLAIM
PEACHLAND, B. C.
FILE # 597 (5)

BY
IAN G. SUTHERLAND
PROSPECTOR

FOR PERIOD
26 May, 1979 to 3rd June, 1979

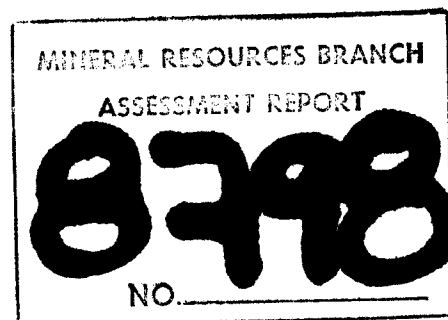


TABLE OF CONTENTS

	PAGE
INTRODUCTION	...1
LOCATION AND ACCESSABILITY	...1
PHYSIOGRAPHY	...1
GEOLOGY	...1
WORK PROGRAM	...2
OBSERVATIONS	...2
RECOMMENDATIONS	...2
CONCLUSIONS	...3
EXPENDITURES FOR 1979 FIELD SEASON	...4
MAPS:	
LOCATION	...5
GEOLOGY	...6
QUALIFICATIONS	...8

INTRODUCTION

The Marg #3 Claim consists of 20 units staked in the Glen Lake Valley and on the east slope of Mt. Kathleen. The claim is approximately 10 miles south of Brennan Mines in the Similkameen mining district on mineral map #82 E/13W.

LOCATION AND ACCESSABILITY

The Marg #3 claim follows the valley of a small creek known locally as Camp Creek, draining southward from Glen Lake. The property co-ordinates are approximately 40° 44.5' north and 120° 00.5' west.

Access is by hard top along the Brenda Mine road to its fork with the Headwater Lake-Pennask Lake Road. Glen Lake Road again forks off to the southwest from the Headwaters Road. From the Brenda Road the route is gravel.

All areas of the claim may be easily reached by a number of logging and B. C. Hydro service roads.

The property is approximately 1 ½ miles north of Thirsk on the Kettle Valley route of Canadian Pacific Railway.

PHYSIOGRAPHY

The property lies on the medium sloped eastern side of Mt. Kathleen. 50% to 60% of the trees have been cut and removed by logging companies and B. C. Hydro (for their transmission line right of way). The claim is easily traversed by four wheel drive over the many logging and Hydro roads. The road cuts and Hydro clearing exposes about 25% of the rock with an additional 5% exposure in the non traversed areas.

GEOLOGY

A) General

The area is part of the Coast Range intrusive complex.

B) Local Geology

Multiple phase quartz diorite intrusion with alteration and mineralization in altered quartz diorite.

C) Alteration Patterns

Quartz sericite alteration of intense nature occurs (probably fault controlled) from a point midway along the southern claim boundary to the northwest corner of the claim group.

Potassic alternation occurs on the Marg & Marg #2 claims to the northeast and east of the Marg #3 claim. This zone is very well fractured in a NE-SW direction. The mineralization is pyrite and chalcopyrite with some gold.

The potassic zone is probably part of the main hypogene area.

The area between the NW-SE trending sericitic and the NE-SW trending potassic alterations seem to be indicated as the area to be examined thoroughly for hypogene mineralization.

WORK PROGRAM

The intent of the current work program was to prospect the area between the potassic zone to the east of the Marg #3 on the Marg & Marg #2 claims and the sericitic altered area previously described in this report to attempt to ascertain the possible existence of a hypogene mineralized area.

As the mineralized areas were slightly radioactive in the area (reading 2 1/3 to 3 times background on the scintillometer) it was decided to do a rough scintillometer survey using a Scintrex BGS-2 Scintillation Counter on the very extensive road system followed by a cursory geochem sampling of the aforementioned area.

OBSERVATIONS

An area between 400 and 500 meters downhill on the Hydro line was found to be from the sericitic zone. 2 - 3 times background on the scintillometer.

Limited geochem gave quite positive geochem results in fluorides in the same area.

The quartz diorite in this area although having no visible mineralization was highly altered (kaolin) with the matrix completely broken down in many instances.

RECOMMENDATIONS

An east-west baseline be established between a point in the center of the sericitic zone toward the 500 meter mark on the baseline on the Marg and Marg #2 claims (see accompanying map).

Grid lines be established north south at each 200 meters on said baselines. These grid lines would extend 250 meters on either side of the baseline.

Geochem sampling be carried out at 50 meter intervals with testing for Mo, Cu, Pb, Zn, Ag, Au, W, F and Mn.

CONCLUSIONS

The limited program carried out to date seems to lend credence to the theorized existance of a hypogene mineralized zone between the quartz sercite zone crossing in a NW-SE trend on the Marg #3 and the potassic altered zone on the Marg & Marg #2.

STATEMENT OF EXPENSE

MARG #3 CLAIM

1979-80 Field Season

GEO-CHEM WAGES

Control Lines-2 men 2 days @ \$75 per man day	\$300.00
GeoChem Sampling-2 men 1 day @ \$75 per man day	150.00

SCINTILLOMETER PROSPECTING, SCINTREX BGS 2

1 man, scintillation counter, blacklamp 9 days @ \$150	1,350.00
-----------------------------------------------------------	----------

TRUCK 4 x 4 9 days @ \$25.00	225.00
---------------------------------	--------

FLAGGING

6 rolls @ \$1.50	9.00
------------------	------

GROCERIES

280.00

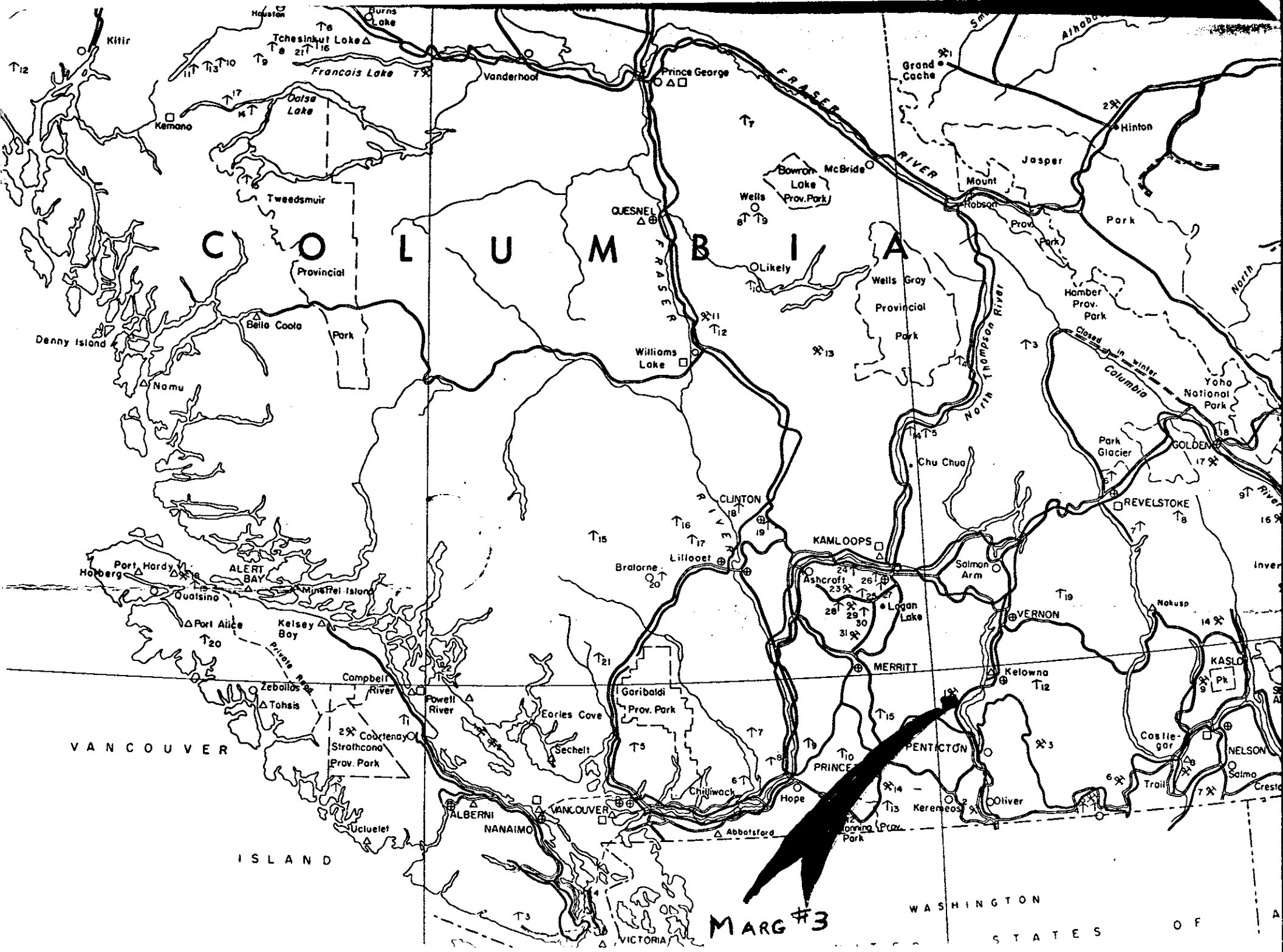
GAS AND PROPANE

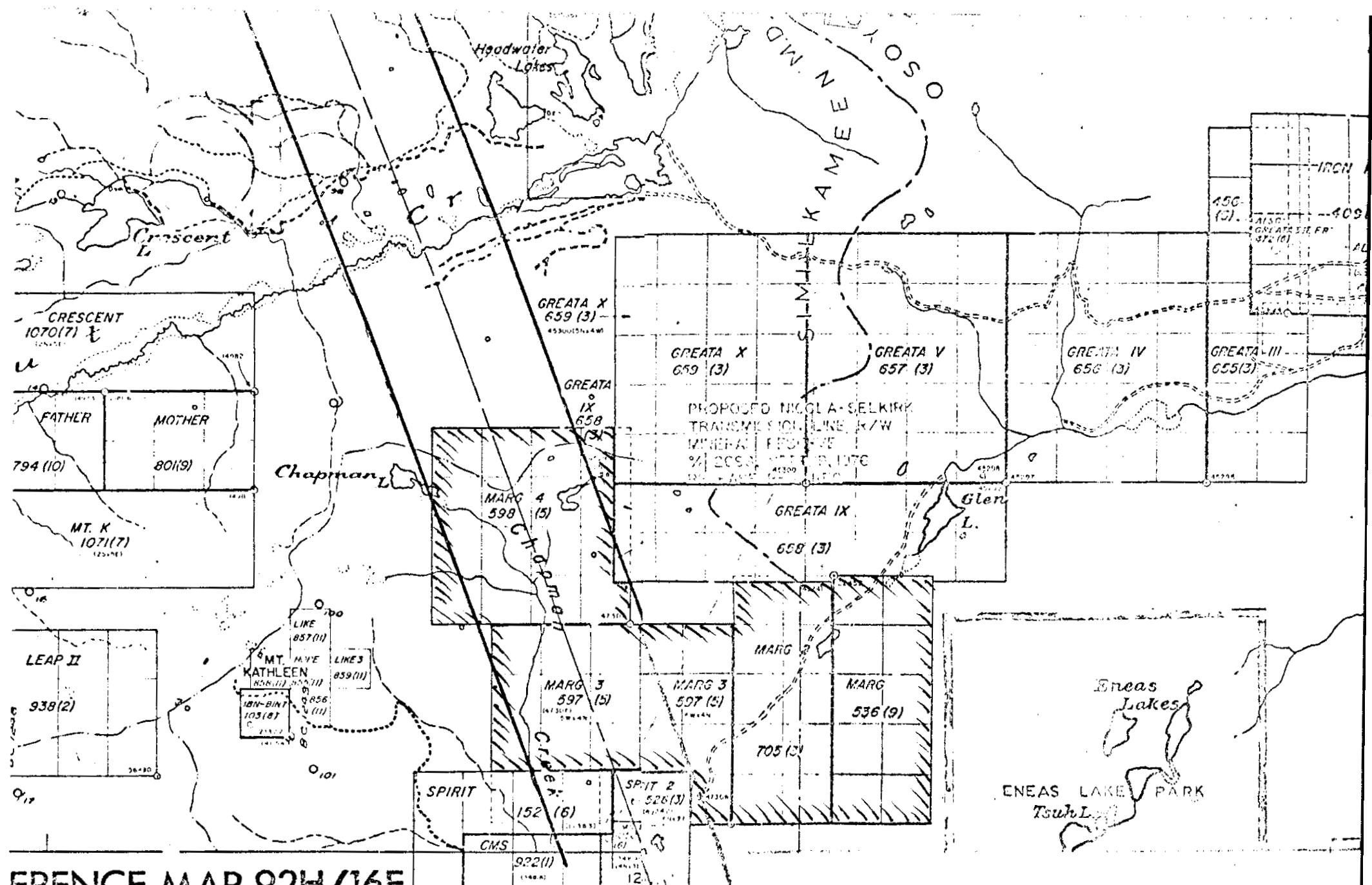
81.00

TRAILER

9 days @ \$9.00	81.00
-----------------	-------

TOTAL EXPENDITURES	<u><u>\$2,476.00</u></u>
--------------------	--------------------------





REFERENCE MAP 92H/16E
PETROLEUM RESOURCES VICTORIA, B.C.
Location of mineral claims that have not been surveyed. Where the location has been verified it is indicated with the symbol, Ver. Additional information is available from the Mining Division.

82 E / 13 W

MARC, MARC 2 AND MARC 3

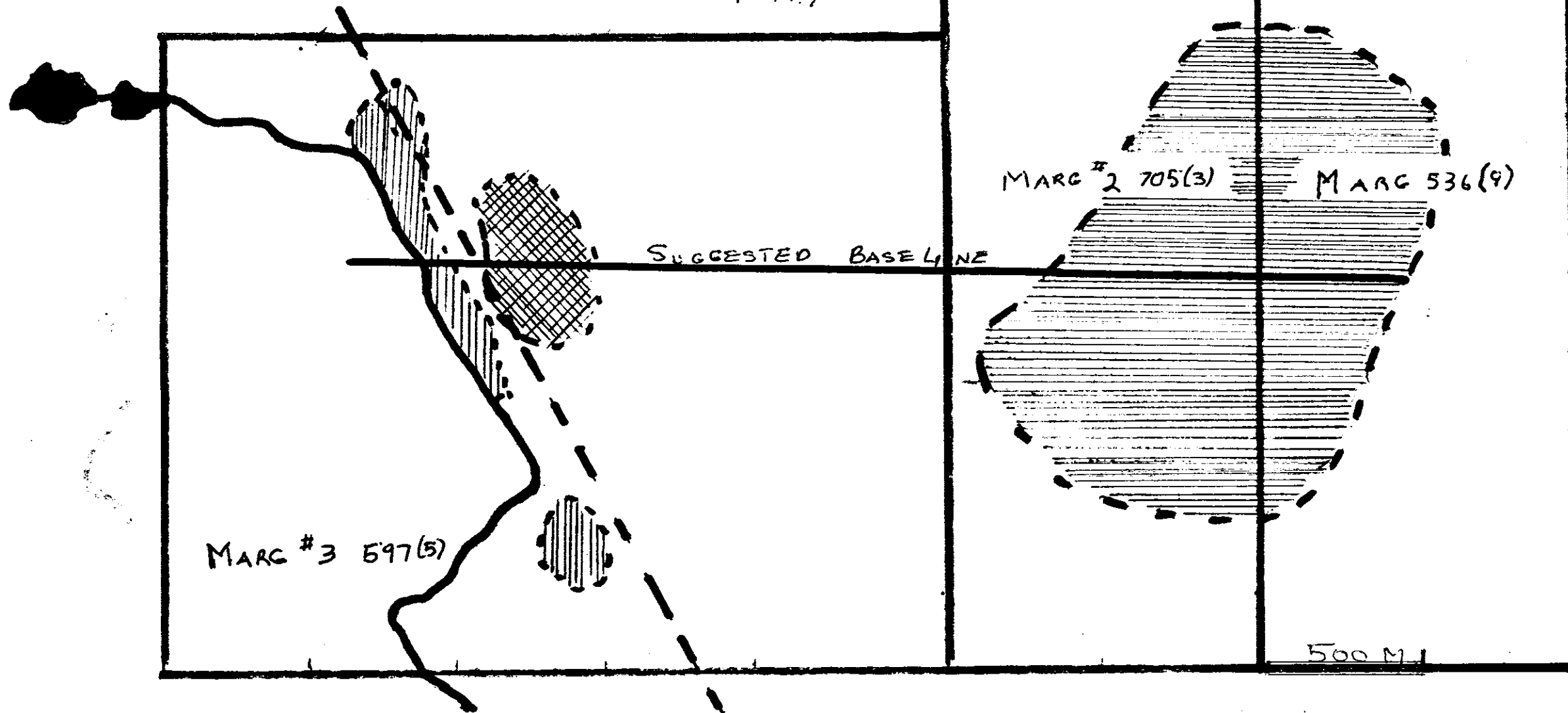
GEOLOGY



POTASSIC PROPYLITIC (Cu/Au)

HIGH FLUORIDES (HYPOGENE?) 1750 TO 4100 P.P.M. FLUORIDE

QUARTZ MONZONITE, SERPENTINIC ALTERATION
MODERATE FLUORIDE (1600 TO 2100 P.P.M.)



QUALIFICATIONS OF AUTHOR

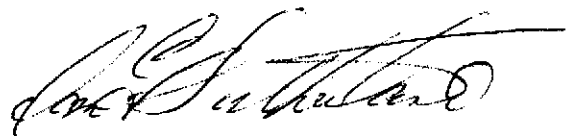
The Author has been involved in mining exploration since 1948 and involved in geochemical sampling and interpretation since 1965.

The Author is involved at present in a major porphyry in the final year of a three year option to B. P. Minerals.

For reference of expertise:

CHRIS BATES	Head Geologist Western Division	B. P. Minerals 682-8345
ERNIE PETERS	Mining Investments	Petco Holdings 687-1527

There are many more references which the Author could provide, however, these are the two persons with whom the Author is presently associated.



IAN G. SUTHERLAND