

NELSON



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) PROSPECTING	TOTAL COST 894.50
---	----------------------

AUTHOR(S) S. HODGSON SIGNATURE(S) *Steven Hodgson*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED April 11, 1986 YEAR OF WORK 1985

PROPERTY NAME(S) BEAN POT

COMMODITIES PRESENT

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION TRAIL CREEK NTS

LATITUDE 49° 04.4' LONGITUDE 117° 51.7'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)):
Forest King (Lot 3232), Bean Pot (Lot 3233), Tillicum Fr. (Lot 11013)

OWNER(S) (1) STEVEN HODGSON (2)

MAILING ADDRESS GEN. DELIVERY Roberts Creek VON ZW

OPERATOR(S) (that is, Company paying for the work) B.C. (1) As above (2)

MAILING ADDRESS As above

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):
The underlain by volcaniclastic and volcanic rocks. claims are

Soil sample results are low.

REFERENCES TO PREVIOUS WORK

FILMED

GOLD COMMISSIONER RECEIVED and RECORDED JUL - 8 1986 GEOLOGICAL BRANCH ASSESSMENT REPORT ROSSLAND, B.C.

14,974

TABLE OF CONTENTS

INTRODUCTION	PAGE 1
TECHNICAL DATA AND INTERPRETATION	PAGE 2 and 3
ITEMIZED COST STATEMENT	PAGE 4
REFERENCES	PAGE 5
AUTHOR'S QUALIFICATIONS	PAGE 6

MAPS

INDEX MAP 1:250,000	AFTER PAGE 6
INDEX MAP 1:50,000	AFTER PAGE 6
PROPERTY PLAN MAP	AFTER PAGE 6

INTRODUCTION

- i) The property is located approximately four kilometers west of the Town of Rossland and lies within the Trail Mining Division. Access is by a two wheel drive road via Highway 3B to Highway 22 then a dirt road north at the confluence of Little Sheep Creek and Highway 22.
- ii) The property comprises three reverted Crown Grants owned and operated by:

Steven Hodgson
General Delivery
Roberts Creek, B.C.

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>MONTH OF RECORD</u>
Forest King	799	April
Bean Pot	800	April
Tillicum Fr.	798	April

The Bean Pot Claims are located on the western slope of O.K. Mountain 1,050 meters due west of the IXL, Midnight and Golden Drip, at elevations from 5,000 to 5,700 feet above sea level. The claims are mainly composed of the O.K. Volcanic Group consisting of volcanoclastic rocks and andesite flows with minor monzonite.

iii) Summary of Work Done

A total of 1,100 meters of line was run along the westerly slope of O.K. Mountain with stations 50 meters apart. Twenty-three soil samples were taken and two stream sediment samples were also taken using the Bloom Test for total heavy metals.

Each samples was taken from the "BF" horizon where possible. A Kraft soil sample bag was filled at each station. The purpose of this orientation survey was to determine if the Bloom Test for total heavy metals is suitable for this claim group.

GEOCHEMICAL DATA

Geochemical sampling was performed by Steve Hodgson and Jane Coxall using the Bloom Total Heavy Metal (THM) test, which measures the sum of readily extractable Zinc, plus Lead plus Copper from soils. A volumetric scoop, approximately 0.25 grams was used to maintain a constant volume of the sample. At each site, a hole 30cm plus was dug to expose the B horizon and a Kraft soil sample bag was filled and labeled for analysis at my office at home. An alkaline hydroxylamine hydro - chloride - dtrate buffer was used to dissolve the soluble zinc, lead, and copper. Toluene containing the organic dye dithizone was used to determine the concentration of lead, zinc, and copper.

PROCEDURE:

- 1) Measure one scoopful of sample and tap into test tube.
- 2) Bloom Buffer added to 5ml mark.
- 3) 1ml of 0.002% Dithizone added.
- 4) Stopper inserted and shaken 50 times.
- 5) Colour observed. If green, record 0, if blue record 1, if red proceeded with step 6.
- 6) Add 1ml of 0.002% Dithizone solution. Shake 15 times. If colour was blue, 2 was recorded, if red or purple, repeated shakeout adding Dithizone solution in increments of 3ml, 5ml until blue-gray point reached (end point).

Soils were taken from the brown "B" horizon. Also noted were, texture, direction of slope, percentage of coarse materials, depth of sample and comments.

All chemicals used were bought from Chemex Labs and mixed fresh, and a high degree of cleanliness was maintained to insure against contamination. All procedures were derived as set forth by the Province of B.C.'s Geochemical Exploration Manual by the Ministry of Energy, Mines and Petroleum Resources.

INTERPRETATION

The survey did show that the Bloom test is suitable and did locate one group of three soil samples and one stream sediment that are anomalous to background.

ITEMIZED COST STATEMENT

August 15th to 17th

Mob & DeMob:	
gas, oil, @20¢ per kilometer	\$352.00
ferry fares	30.00
food	42.00
Materials:	
topo maps	
claim maps	10.00
chemicals	160.50
Cost of Report 1 day @ \$100.00	100.00
Wages:	
1 day - Jane Coxall	100.00
1 day - Steven Hodgson	<u>100.00</u>
TOTAL COSTS	<u><u>\$894.50</u></u>

Total samples taken - 25

Unit cost \$35.26 all inclusive Mob/De Mob,
food, materials, cost of report and wages

REFERENCES

Richmond, A.M. (1932) Trail Creek Mining Division; lode-gold deposits of B.C. - B.C. Department of Mines. Bull 1, ppl21-125

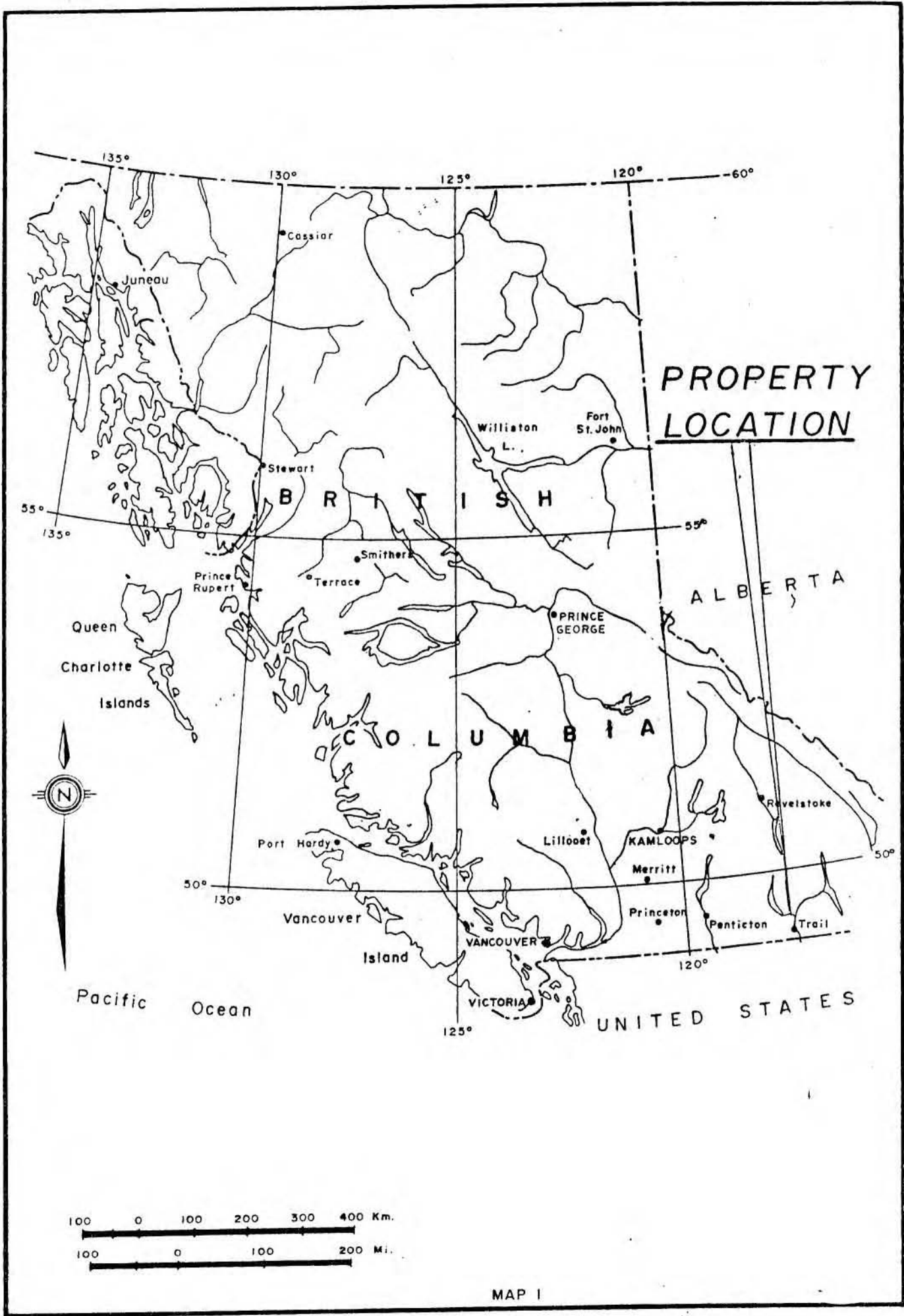
Drysdale, C.W. (1915) Geol and ore dep of Rossland GSC Mem 77

AUTHOR'S QUALIFICATIONS

I certify that:

- 1) I am a graduate of the Mineral Exploration for Prospectors Course (1979) Selkirk College, Castlegar, B.C.
- 2) I have been a prospector in British Columbia for eight years.
- 3) The information for the accompanying report was based on work done personally.
- 4) I am a Director and Vice-President of Chalice Mining Inc.

Steven Hodgson



PROPERTY
LOCATION

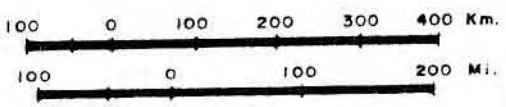
B R I T I S H

A L B E R T A

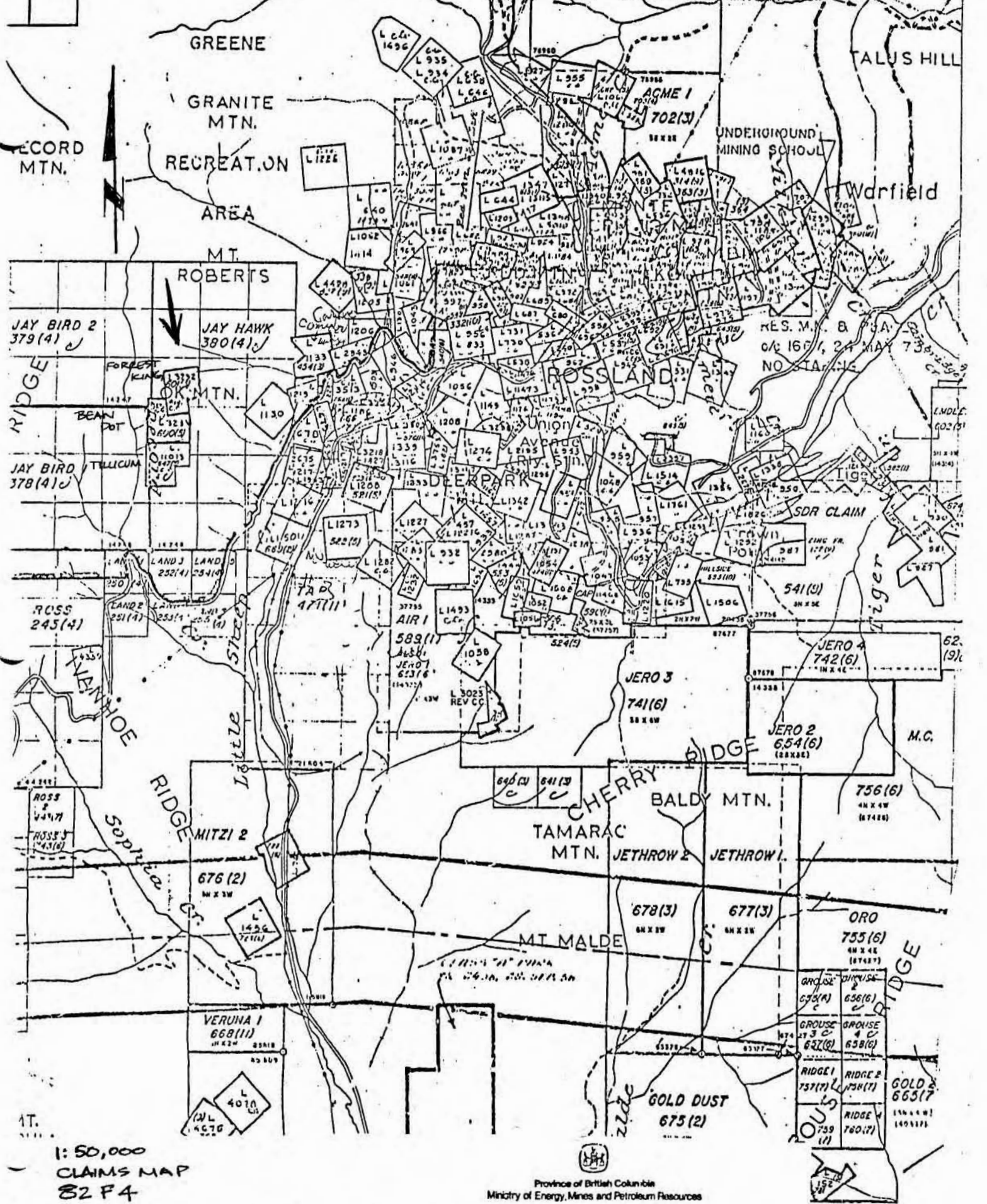
C O L U M B I A

Pacific Ocean

UNITED STATES



MAP I



RECORD MOUNTAIN

GREENE

GRANITE MOUNTAIN

RECREATION AREA

MOUNT ROBERTS

JAY BIRD 2 379(4)

JAY HAWK 380(4)

JAY BIRD 378(4)

ROSS 245(4)

ROSS 444(7)

ROSS 445(6)

VERUNA 1 668(11)

L 4070

ACME 1 702(3)

UNDERGROUND MINING SCHOOL

Warfield

ROSSLAND

M.S.M. & S.A. O/C 1671, 21 MAY 73 NO TARIFF

AIR 1 589(1)

JERO 3 741(6)

JERO 4 742(6)

JERO 2 654(6)

TAMARAC MOUNTAIN

BALDY MOUNTAIN

JETHROW 2

JETHROW 1

MOUNT MALDE

678(3)

677(3)

ORO 755(6)

GROUSE 3 636(6)

GROUSE 4 637(6)

RIDGE 1 757(7)

RIDGE 2 758(7)

RIDGE 3 759(7)

GOLD 2 665(7)

1:50,000 CLAIMS MAP 82 F 4

GEND

OWN-GRANTED MINERAL CLAIM

VERTED C.G. MINERAL CLAIM

REFEITED MINERAL CLAIM

IFIED LEGAL CORNER POST

GAL SURVEY

GAL CORNER POST & TAG NUMBER © 1984

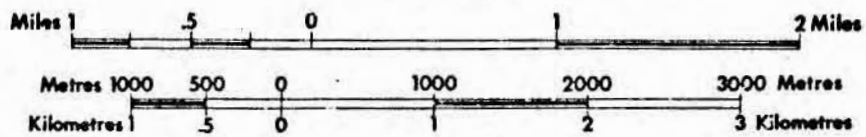
C.G.

REV. CA

✓

Var.

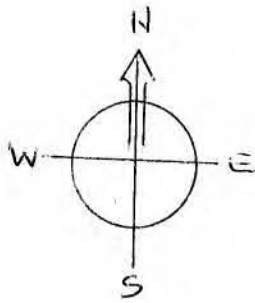
Sur.



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

a guide
claims

L 4077 DALY



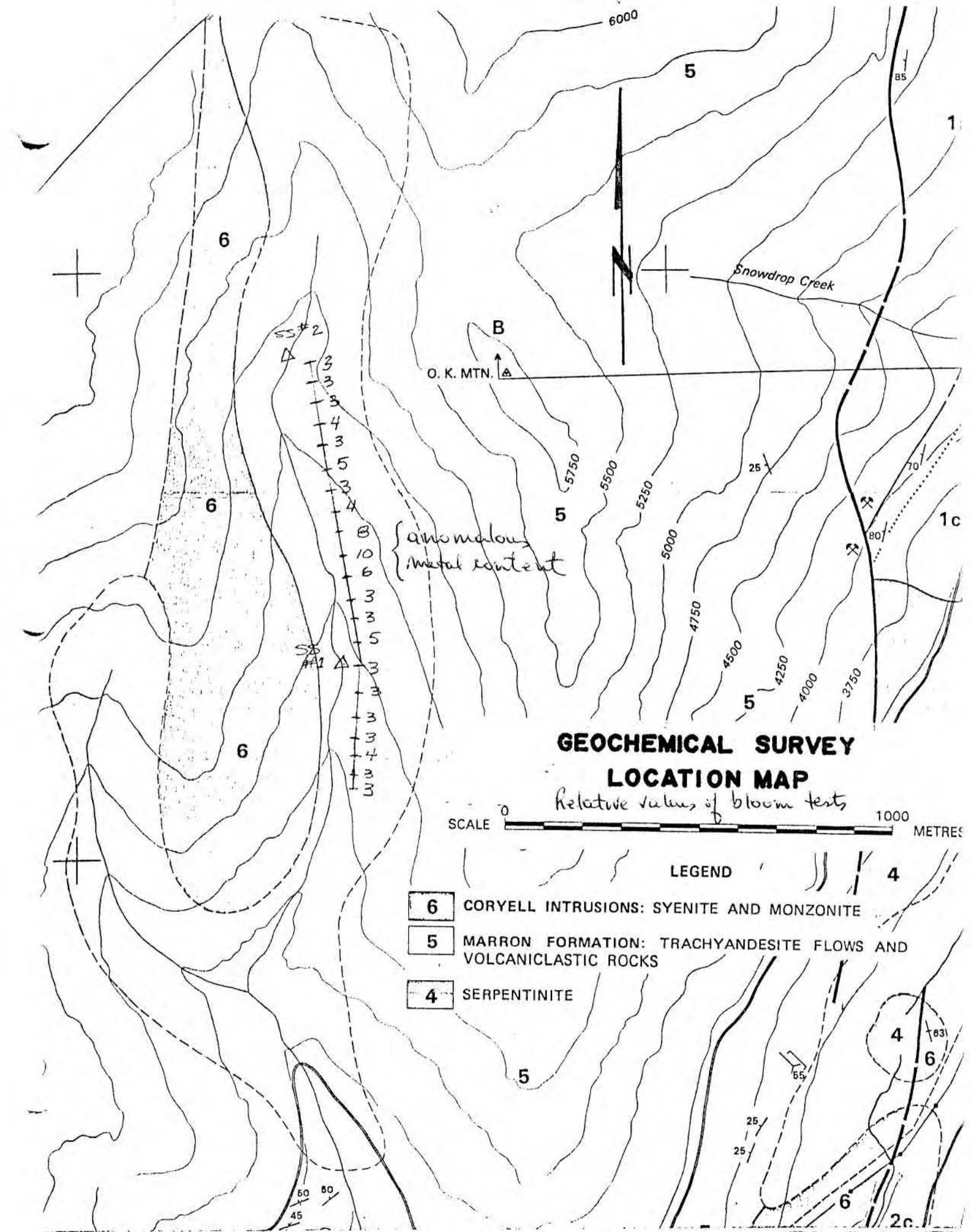
Soil sample Line



CLAIM MAP

1:12000





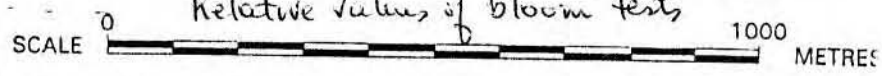
O. K. MTN. Δ
 B \uparrow

Snowdrop Creek

anomalous metal content

**GEOCHEMICAL SURVEY
 LOCATION MAP**

Relative values of bloom tests



LEGEND

- 6 CORYELL INTRUSIONS: SYENITE AND MONZONITE
- 5 MARRON FORMATION: TRACHYANDESITE FLOWS AND VOLCANICLASTIC ROCKS
- 4 SERPENTINITE

60
 80
 45

4
 6
 831

2c