

**BRITISH COLUMBIA  
PROSPECTORS ASSISTANCE PROGRAM  
PROSPECTING REPORT FORM (continued)**

**B. TECHNICAL REPORT**

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations, section 15, 16 and 17.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name HODGSON Reference Number P71

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) W.P.R. CLAIMS MINFILE No. if applicable 92 K 86  
 Location of Project Area NTS 92 K 2 Lat 50° 10' N Long 125° 15' W  
 Description of Location and Access ROAD ACCESS TO CLAIMS: THEN BY FOOT.

Main Commodities Searched For GOLD

Known Mineral Occurrences in Project Area SEPTEMBER OCCURRENCES 92 K 86

**WORK PERFORMED**

1. Conventional Prospecting (area) LOCAL - MAX 2 HECTARES E. of SEPTEMBER OCCURRENCE
2. Geological Mapping (hectares/scale) \_\_\_\_\_
3. Geochemical (type and no. of samples) \_\_\_\_\_
4. Geophysical (type and line km) INDUCED POLARIZATION + RESISTIVITY: 1.42 LINE KM.
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no., holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**SIGNIFICANT RESULTS**

Commodities GOLD - 4 MAJOR GEOPHYSICAL TARGETS Claim Name W.P.R.  
 Location (show on map) Lat see maps Long \_\_\_\_\_ Elevation 3-400 ft. approx.  
 Best assay/sample type \_\_\_\_\_

Description of mineralization, host rocks, anomalies Skarn and hydrothermal alteration  
Mineralized Quartz veins on limestone / volcanic contact-  
- pyrite, pyrrhotite, chalcopyrite, bornite, pyrolusite and gold.  
- gold values up to 4 oz per ton.

*Supporting data must be submitted with this TECHNICAL REPORT*

Information on this form is confidential for one year from the date of receipt subject to the provisions of the Freedom of Information Act.

Geological Survey Branch  
MEI

JAN 27 1998

P71

**BRITISH COLUMBIA  
PROSPECTORS ASSISTANCE PROGRAM  
PROSPECTING REPORT FORM (continued)**

**B. TECHNICAL REPORT**

- One technical report to be completed for each project area.
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Name HODGSON Reference Number P 71

LOCATION/COMMODITIES  
 Project Area (as listed in Part A) E. of SAXON LAKE MINFILE No. if applicable 92K-107; 92K14  
 Location of Project Area NTS 92K2 Lat 50° 11' N Long 125° 16' W.  
 Description of Location and Access ROAD ACCESS TO GRANITE LAKE ROAD,  
THEN BY FOOT.

Main Commodities Searched For GOLD

Known Mineral Occurrences in Project Area JOY 2 - 92K107

**WORK PERFORMED**

1. Conventional Prospecting (area) \_\_\_\_\_
2. Geological Mapping (hectares/scale) 30 HECTARES - 1:2500 scale
3. Geochemical (type and no. of samples) LINES SPACED 50 meters.
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no., holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

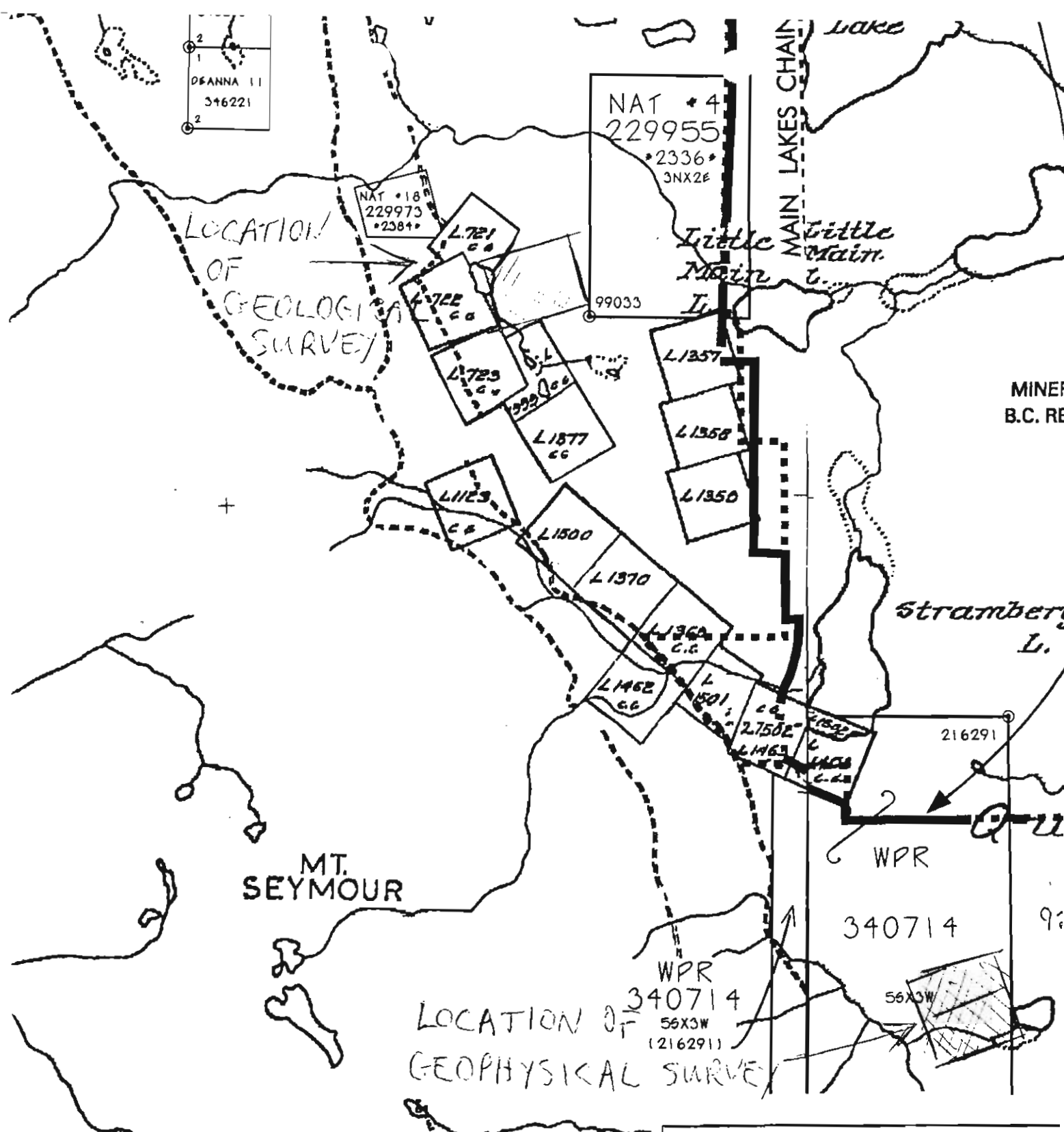
**SIGNIFICANT RESULTS**  
 Commodities GOLD Claim Name \_\_\_\_\_

Location (show on map) Lat ~~SEE MAP~~ Long SEE MAP Elevation 3-400 ft. approx.  
 Best assay/sample type \_\_\_\_\_

Description of mineralization, host rocks, anomalies  
- TRENCHES LOCATED 25 meters EAST OF  
SAXON LAKE  
- TRENCHES LOCATED 250 meters N.E. of SAXON LK.

*Supporting data must be submitted with this TECHNICAL REPORT*  
 Information on this form is confidential for one year from the date of receipt subject to the provisions of the Freedom of Information Act.

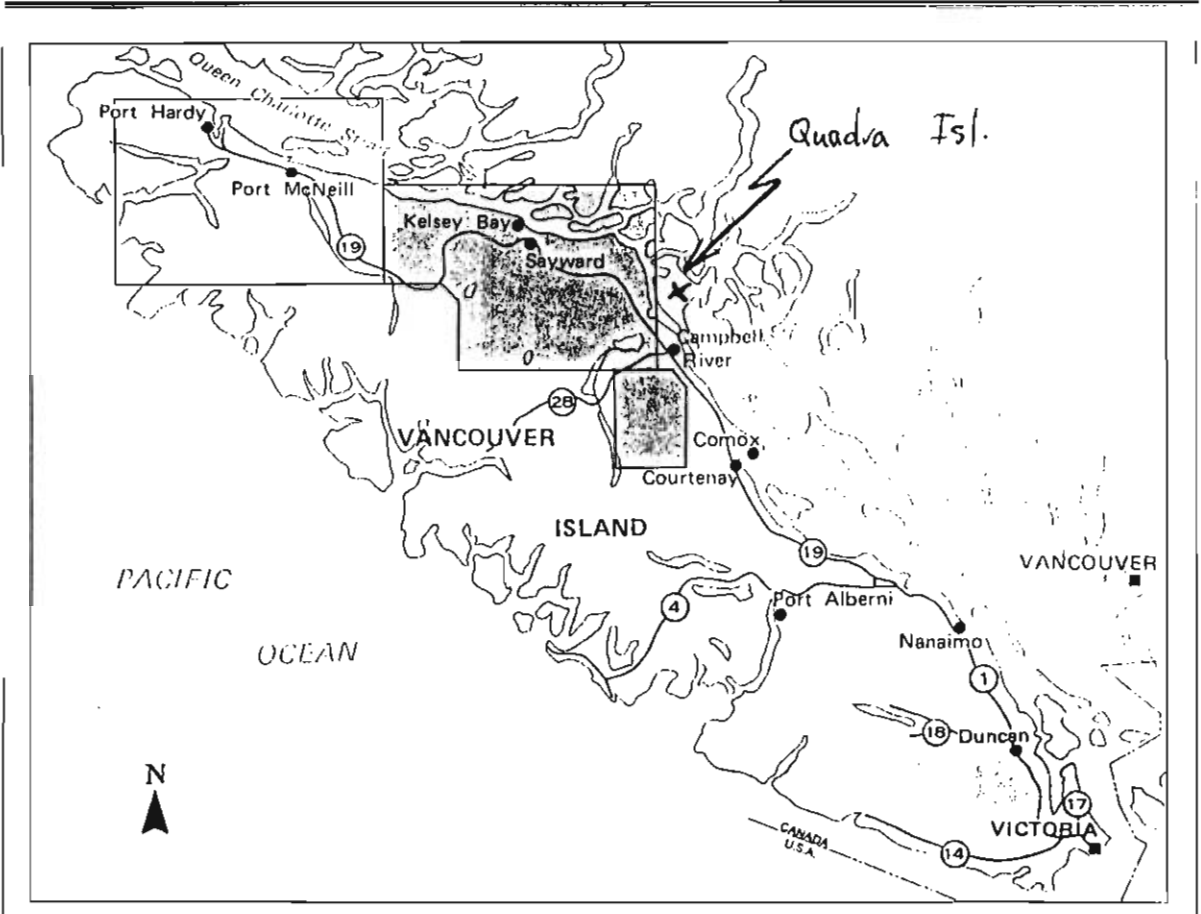
JAN 27 1998  
 P 71



Quadra

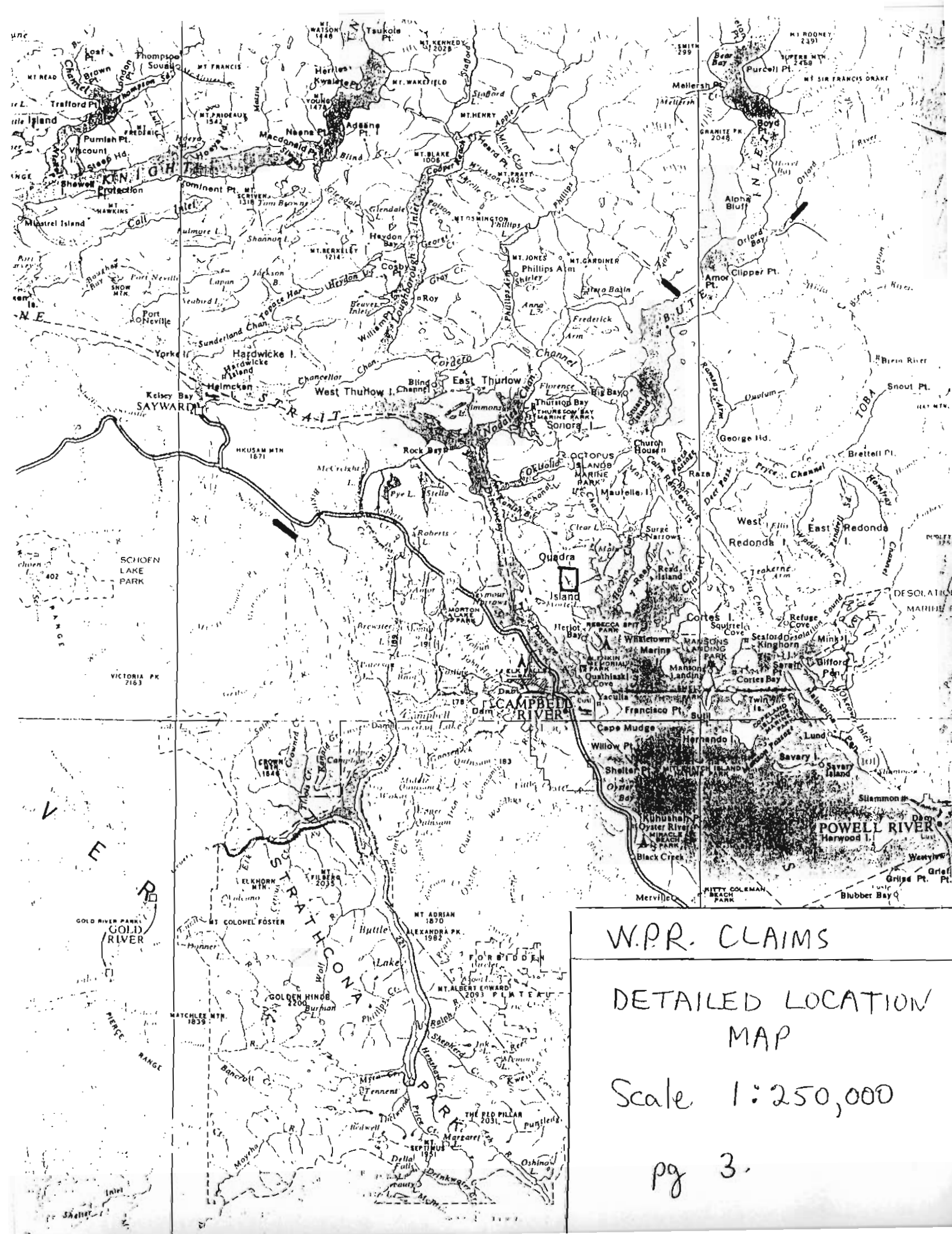
W.P.R. CLAIMS  
 CLAIMS LOCATION  
 MAP  
 QUADRA ISLAND, B.C.  
 Scale 1:31,680

RES. [ ]  
 73



W.P.R. CLAIMS

LOCATION MAP

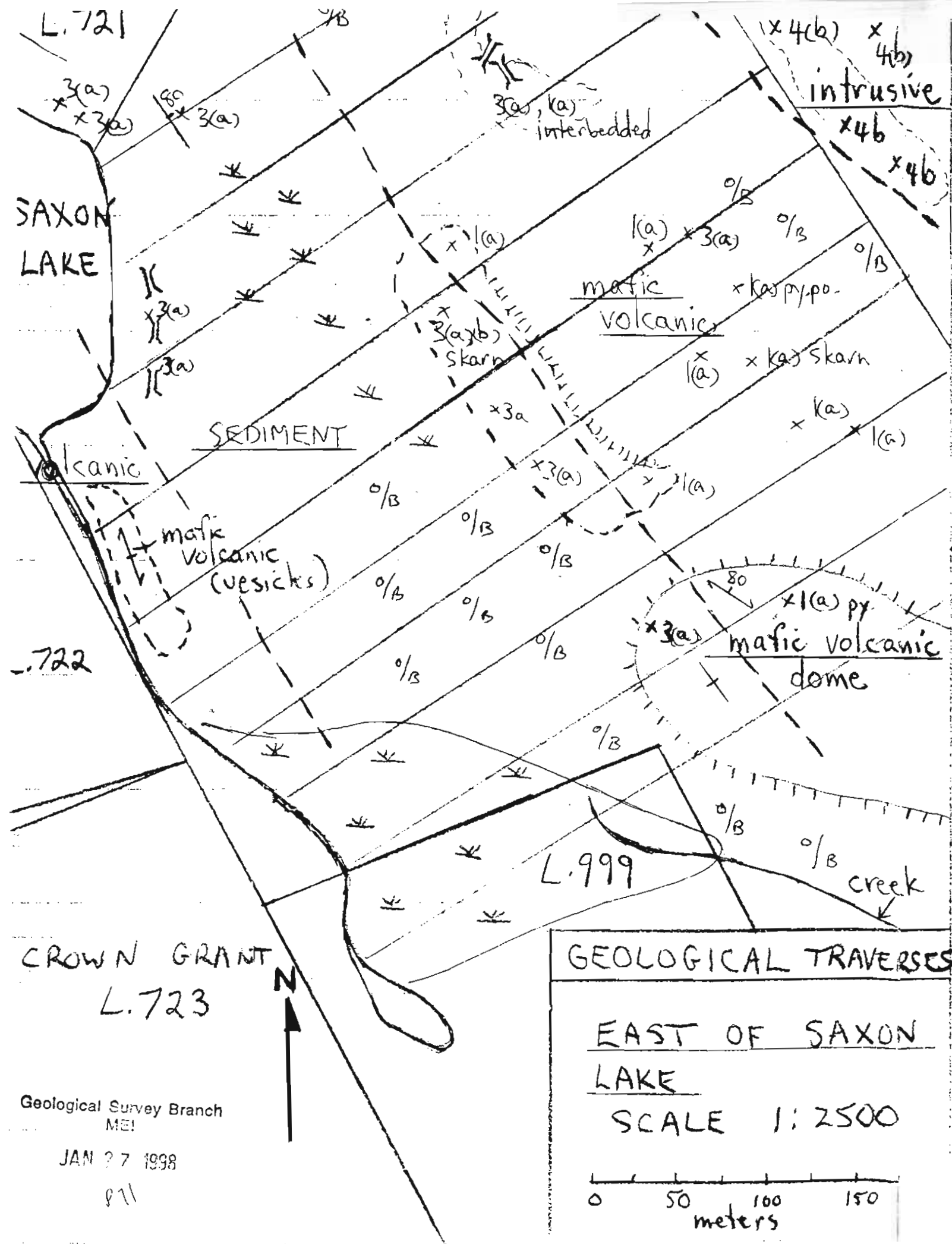


W.P.R. CLAIMS

DETAILED LOCATION  
MAP

Scale 1:250,000

pg 3.



LITHOLOGY

UPPER KARMUTSEN FORMATION

- 1) MAFIC VOLCANIC
  - (a) basalt
  - (b) andesite
- 2) FELSIC VOLCANIC
  - (a) rhyolite
  - (b) dacite
- 3) SEDIMENT
  - (a) limestone
  - (b) sandstone (quartzite)

COASTAL PLUTONIC COMPLEX

- 4 (a) Granite
- (b) diorite

MINERALIZATION, ALTERATION

- sk skarn
- gar garnet
- mag magnetite
- py pyrrhotite
- py pyrite
- cpy chalcopyrite
- sil silicified
- ser sericite

- geological contact
- outcrop

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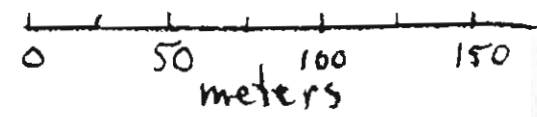
JAN 27 1998

811

GEOLOGICAL TRAVERSES

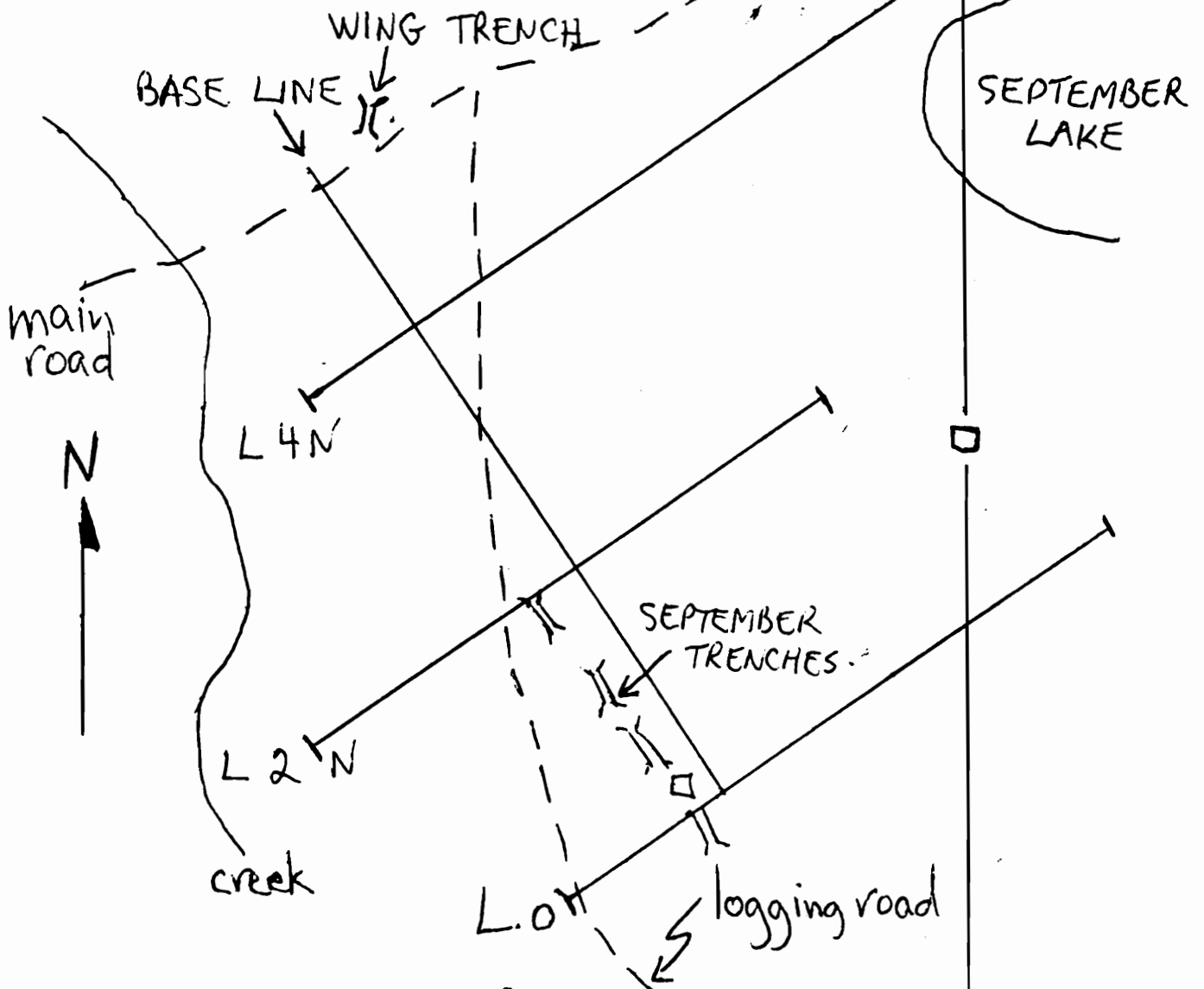
EAST OF SAXON LAKE

SCALE 1:2500



POST 3 -OUTH  
CLAIM# 216291

Scale 1:5000



BASE LINE STRIKE = 145°

W.P.R. CLAIMS

GRID LOCATION  
MAP FOR I.P.  
SURVEY.

0 100 200 300 m

DEC. 1997.

Geological Survey Branch  
MEI

JAN 27 1998

pm

**PACIFIC GEOPHYSICAL LIMITED**

**REPORT ON THE  
INDUCED POLARIZATION AND RESISTIVITY SURVEY**

**ON THE  
WPR CLAIMS  
NANAIMO MINING DIVISION, BRITISH COLUMBIA**

**FOR**

**RAND HODGSON, B.Sc. / WHITE PINE RESOURCES  
LATITUDE 50 Deg.,10'N, LONGITUDE 125 Deg.,15'W  
NTS : 92K/2**

**PROPERTY OPERATOR: RAND HODGSON**

**BY**

**PAUL A. CARTWRIGHT, P.Geo.  
Geophysicist**

**DATED: DECEMBER 31, 1997**



## SUMMARY

Induced Polarization(IP) and resistivity surveying has been completed on the WPR Claims, Nanaimo M.D., B.C., on behalf of Rand Hodgson and White Pine Resources. A number of anomalous IP Zones, which could be related to economic gold mineralization, are outlined in the data. Physical testing by drilling and/or trenching is recommended to test the sources of these anomalous IP Zones. Additional geophysical surveying has also been recommended to explore the remainder of the property.

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4.	Discussion of Results . . . . .	2
5.	Conclusions and Recommendations . . . . .	3
6.	Personnel . . . . .	4
7.	Statement of Cost . . . . .	5
8.	Certificate : Paul A. Cartwright, P.Geo. . . . .	6

PART B ILLUSTRATIONS

Induced Polarization Plan Map . . . . .	Fig. 1
IP Pseudosection Data Plots . . . . .	Line 0, 200N, 400N

## 1. INTRODUCTION

An Induced Polarization(IP) and resistivity survey has been completed on the WPR Claims, Nanaimo M.D., B.C., on behalf of Rand Hodgson/White Pine Resources by Pacific Geophysical Ltd.

The geophysical field operations commenced on December 16, 1997, and were finished on December 18, 1997, under the direction of Paul Cartwright, P. Geo., Senior Geophysicist. A total of 1.4125 km. of IP and resistivity data were acquired.

## 2. INSTRUMENT SPECIFICATIONS

An EDA Model IP-6 six channel time domain IP/resistivity receiver using "mode 3 (Td=80ms,M1-M10=4X80ms,3X160ms,3X320ms)", together with a Phoenix Model IPT-1 transmitter and 1.0 kw motor-generator, that produced a one second on/one second off square wave signal of alternating polarity, were used to make all the IP and resistivity measurements. IP effects were recorded as chargeability in milliseconds while apparent resistivity values were normalized in units of ohm-meters. Dipole-dipole array was utilized to make all of the surface measurements, using an interelectrode distance of 12.5 metres recording five separations, except in the case of Line 0, where 4 separations were recorded.

### 3. PRESENTATION OF DATA

The induced polarization and resistivity results are shown on the following data plots in pseudo-section format.

<u>Line</u>	<u>Electrode Int.</u>	<u>Reading Int.</u> (outermost electrodes)
00	12.5 metres	162.5W-250E
200N	12.5 metres	200W-225E
400N	12.5 metres	75W-500E

The following plan map is also included with this report:

Fig.No.1 - 1:5000 scale induced polarization plan map

The IP anomalies are indicated by bars in the manner shown on the Fig.No. 1 plan map legend, as well as on the pseudo-sections. These bars represent the surface projections of the anomalous responses interpreted from the transmitter and receiver electrode locations when the anomalous values were measured, and should not be taken as representing the exact limits of the causative source(s).

### 4. DISCUSSION OF RESULTS

The reader is referred to Fig.No.1, the induced polarization plan map, which illustrates the induced polarization interpretation. The high background IP and resistivity levels evident over much of the geophysical grid indicate that disseminated metallic mineralization is widespread. However, four zones of increased Induced Polarization (IP) effects have been interpreted in the data recorded on the WPR Claims geophysical grid. These IP zones are discussed in the following paragraphs.

IP Zone A,B,C - These zones are all marked to strike in a north-northwesterly direction, and are thought to be caused by relatively shallow and narrow zones of increased sulphide content emplaced within the generally well mineralized background rocks. The southern end of IP Zone A is coincident with an old hand dug trench that reportedly exposed gold bearing quartz.

IP Zone D - A somewhat less anomalous, but wider zone is interpreted to be present striking across the northeastern ends of the three grid lines. The eastern margin of IP Zone D is not well defined, particularly in the case of Line 200N, which was truncated by the presence of a small lake. The source of this anomalous IP response is thought to be buried at a depth considerably less than the 12.5 metre dipole length used to make the measurements.

#### 5. CONCLUSIONS AND RECOMMENDATIONS

The present interpretation of the Induced Polarization (IP) and resistivity surveying carried out on the WPR Claims shows four anomalous IP zones, the sources of which may be associated with gold mineralization, as evidenced by the close correlation between IP Zone A and known gold values obtained from a trench.

Therefore, drilling and/or trenching is recommended to initially test the source of IP Zone A. If positive results were to be obtained from this initial test, the other IP Zones should be drilled and/or trenched as well. Additional IP/resistivity surveying is recommended to further evaluate the property.

December 31, 1997

Pacific Geophysical Ltd.

*Paul A. Cartwright*  
Paul A. Cartwright



## 6. PERSONNEL

The personnel employed during the data acquisition and reporting stages of the WPR Claims IP/resistivity survey are listed below.

<u>Name</u>	<u>Occupation</u>	<u>Address</u>	<u>Date Employed</u>
P.Cartwright	Geophysicist	4508 W13th Ave., Vancouver	Dec15-19/97 Dec22-23/97 Dec30-31/97
I.Jackisch	Geophysicist	424 Somerset St., N.Vancouver	Dec15-19/97
D.Helliwell	Geophysicist	401-1395 Beach Ave., Vancouver	Dec22-23/97
S.Oakley	Geoph. Assis. Gen. Del.	Port Hardy, B.C.	Dec15-19/97
M.Major	Geoph. Assis.	425 E 11th Ave., Vancouver	Dec15-19/97

PACIFIC GEOPHYSICAL LTD.

*Paul A. Cartwright*  
 Paul A. Cartwright, P. Geo.



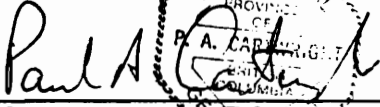
Dated: December 31, 1997

**8. CERTIFICATE**

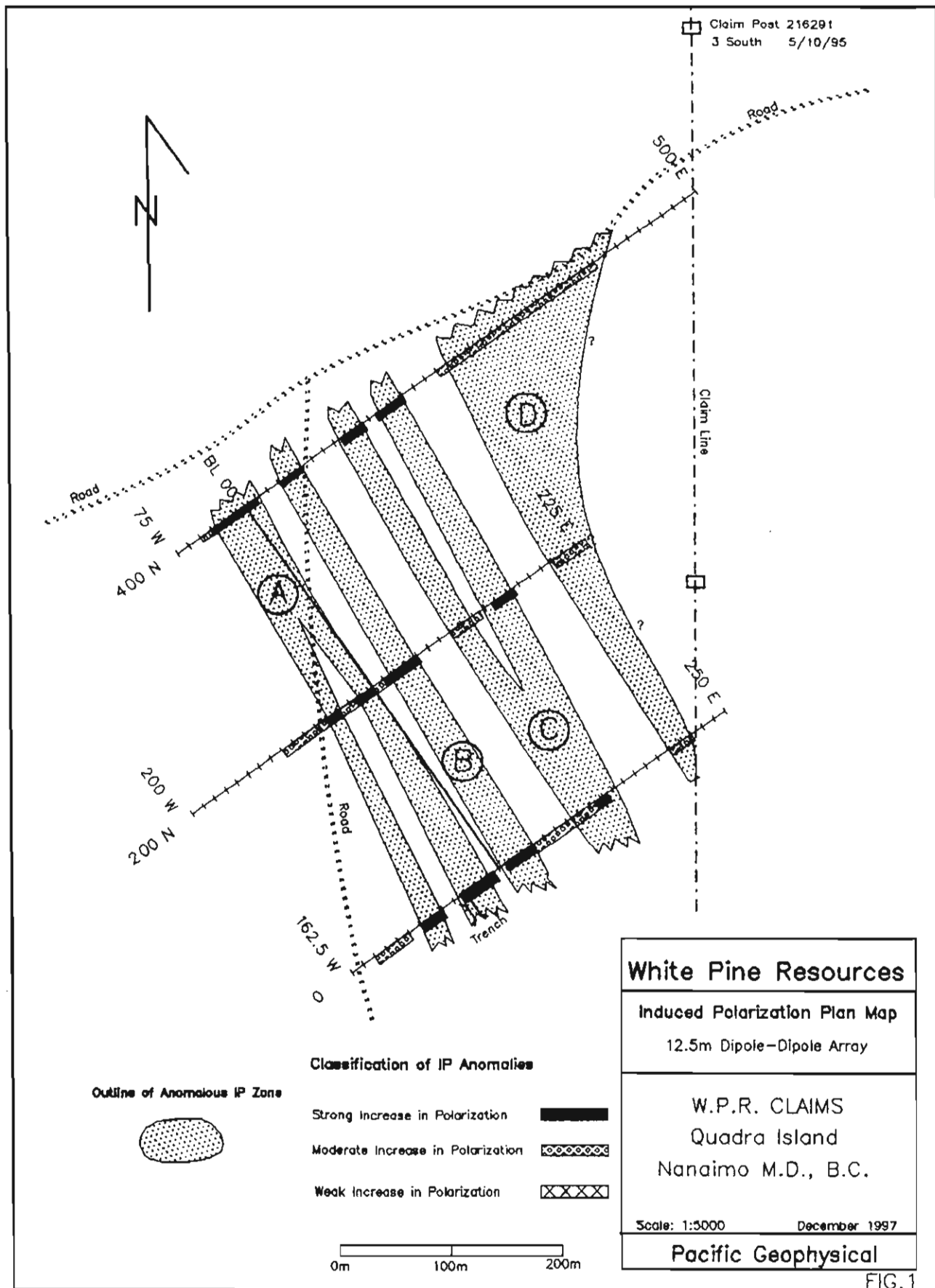
I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4508 West 13th Avenue, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1970).
3. I am a member of the Society of Exploration Geophysicists, and the European Society of Exploration Geophysicists.
4. I have been practising my profession for 27 years.
5. I am a Professional Geoscientist registered in the Province of British Columbia. I am a Professional Geophysicist registered in the Province of Alberta.

Dated at Vancouver, British Columbia this 31st day of December, 1997.

  
Paul A. Cartwright, P. Geo.

*(Professional Seal: PROFESSIONAL GEOSCIENTIST, PROVINCE OF BRITISH COLUMBIA)*



**White Pine Resources**  
 Induced Polarization Plan Map  
 12.5m Dipole-Dipole Array

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W.P.R. CLAIMS  
 Quadra Island  
 Nanaimo M.D., B.C.

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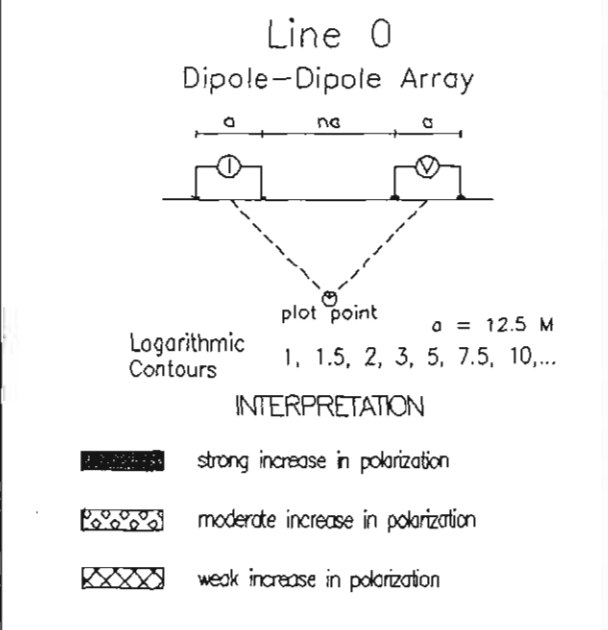
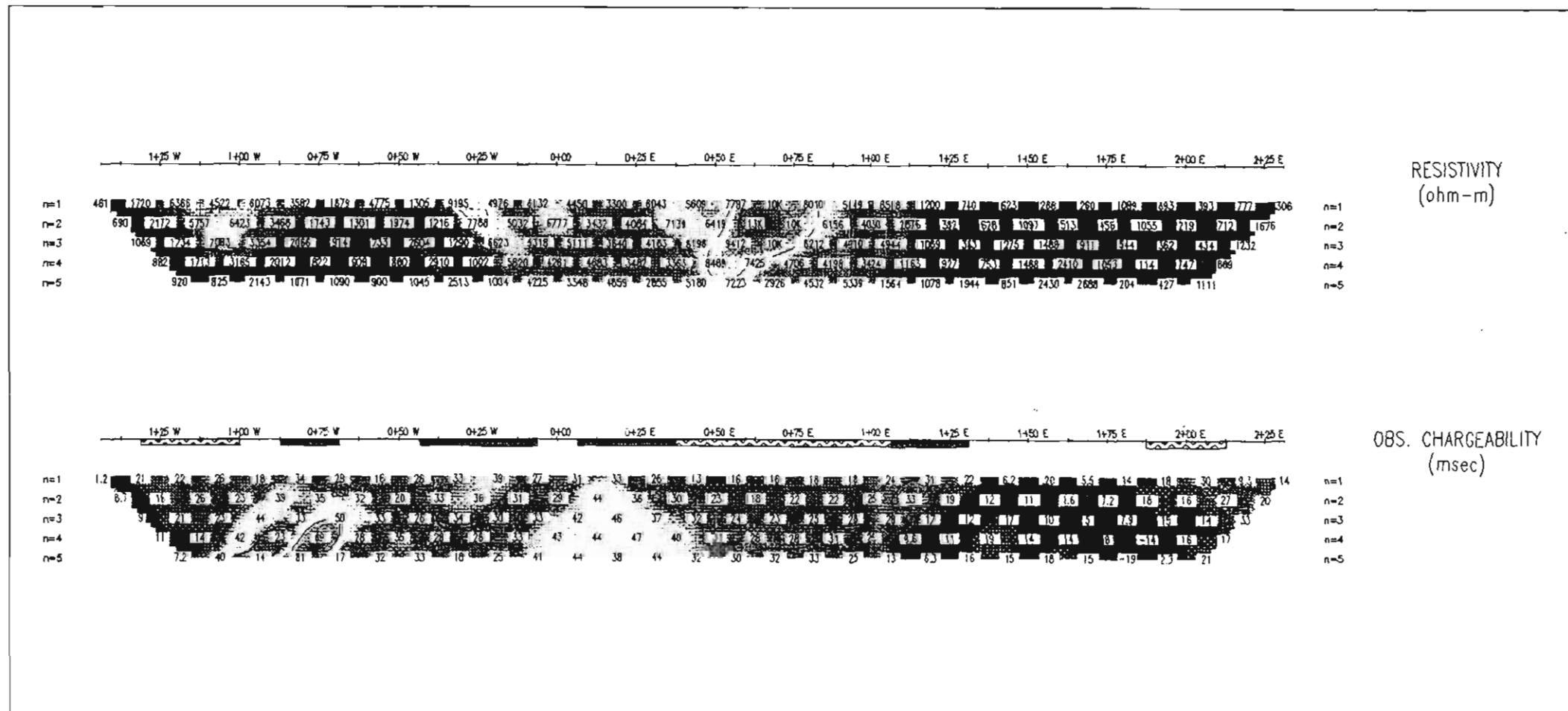
Scale: 1:5000      December 1997

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**Pacific Geophysical**

FIG. 1





White Pine Resources

INDUCED POLARIZATION SURVEY  
WPR Claims  
Nanaimo Mining Division, BC

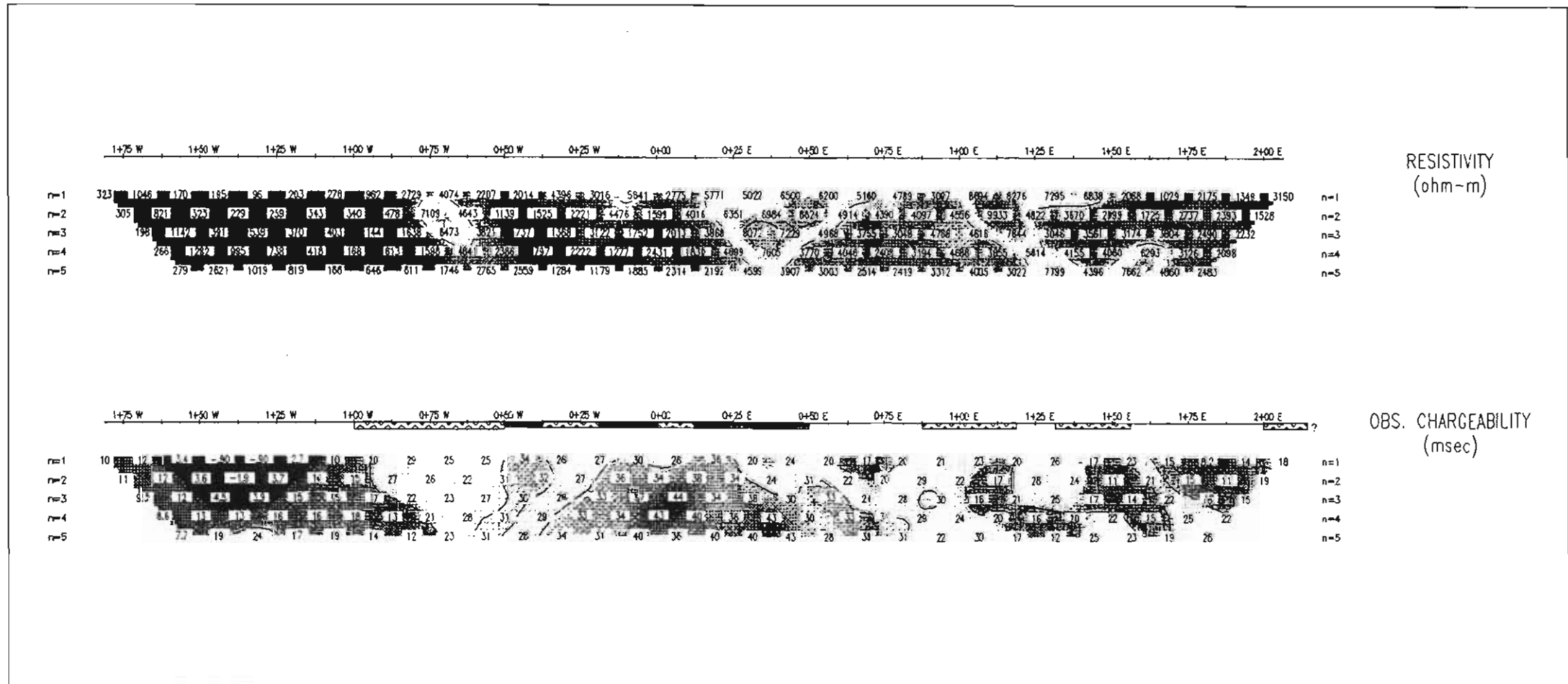
Data Acquired: December 1997  
Operator: PAC

Pacific Geophysical

Geological Survey Branch  
MEI

JAN 27 1998

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**Line 200 N  
Dipole-Dipole Array**

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...

plot point  $a = 12.5$  M

**INTERPRETATION**

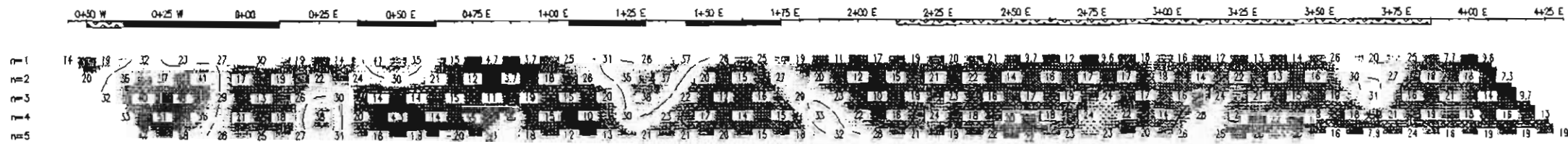
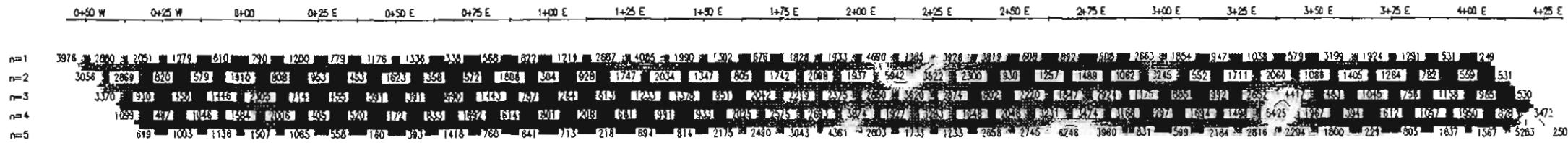
- strong increase in polarization
- moderate increase in polarization
- weak increase in polarization

**White Pine Resources**

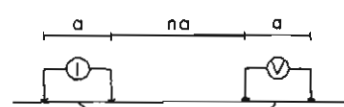
**INDUCED POLARIZATION SURVEY  
WPR Claims  
Nanaimo Mining Division, BC**

Data Acquired: December 1997  
Operator: PAC

Pacific Geophysical



Line 400 N  
Dipole-Dipole Array



plat point

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- strong increase in polarization
- moderate increase in polarization
- weak increase in polarization

White Pine Resources

INDUCED POLARIZATION SURVEY  
WPR Claims  
Nanaimo Mining Division, BC

Data Acquired: December 1997  
Operator: PAC

Pacific Geophysical

Geological Survey Branch  
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JAN 27 1998

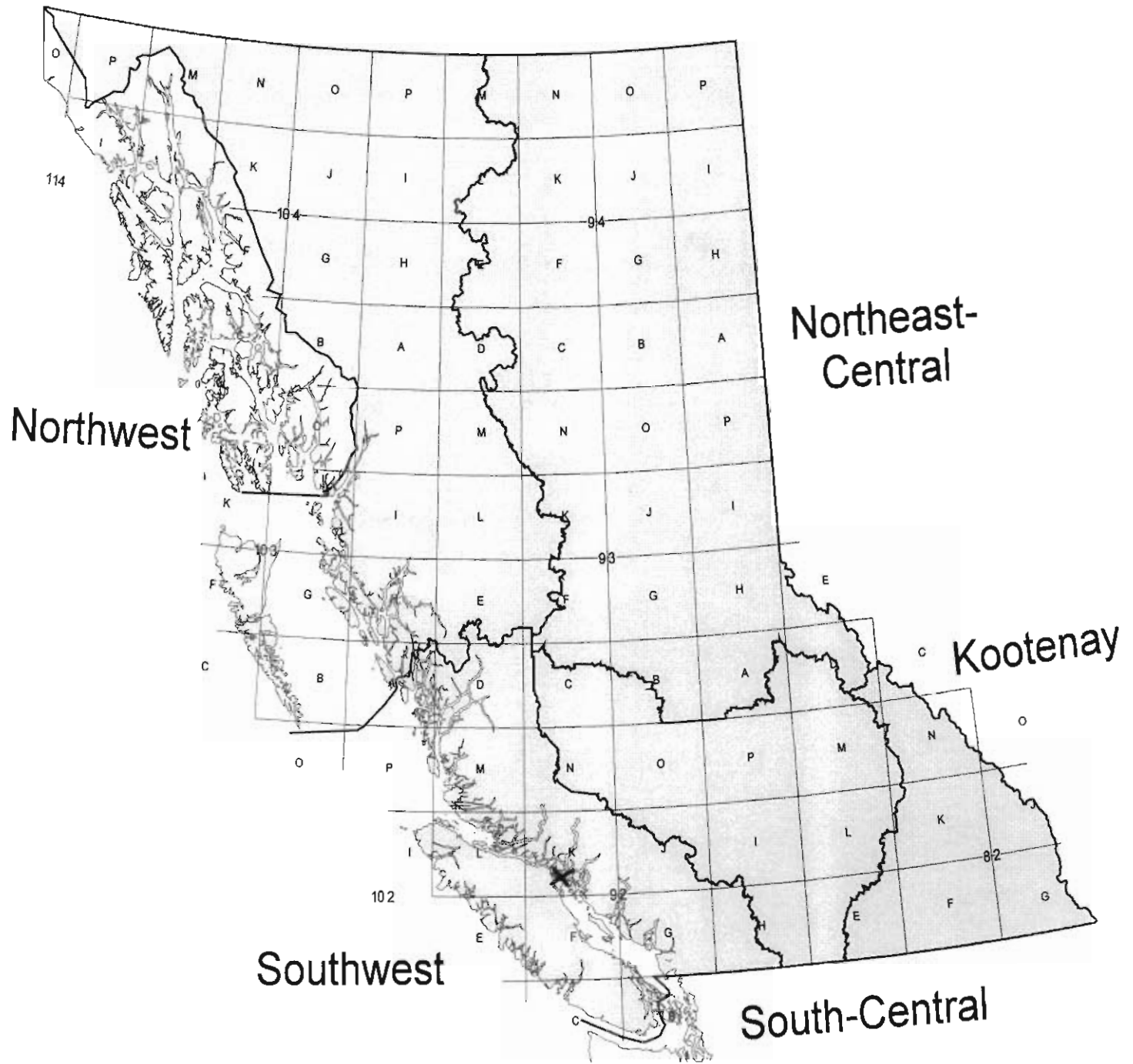
671

# PROGRAM PROPOSAL - PART B

## Location of Proposed Project(s)

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Indicate on this map (using an "X") the general location of each of the projects covered by this proposal.



**APPLICATION PART B  
PROGRAM PROPOSAL**

See PROGRAM REQUIREMENTS paragraph 4 for details of information to be submitted.

Use extra pages as required.

→ All supplementary documents enclosed  
as well as the following:

Claims location - N.T.S. 92K 3 E+W.  
QUADRA ISLAND

- MEANS OF ACCESS - ROAD FROM CAMPBELL RIVER.

- TARGET - GOLD IN SKARN

- CLAIMS ~~LAND~~ OWNED BY HOOBSON

- DETAILED PROPOSAL ENCLOSED -



### Proposed Prospecting Program 1997

The proposed prospecting program for 1997 will be the next step in a systematic approach toward this fertile gold depositional environment. Physical trenching of the known high grade occurrences has failed to increase their dimensions. Since this mineralized zone cannot be discounted, I am proposing to carry out an alternate approach. Based on the recommendations of my 1996 report (enclosed document #9) I propose to carry out detailed geophysics over the delineated gold zone using the induced polarization (I.P.) method.

Because of the cost of the I.P. geophysical method, my strategy will be to do several test traverses over the known occurrences to see if there is any clear response by the I.P. instrument. I have reason to believe that the method will be useful in that there are significant amounts of bedded sulfides in the gold bearing quartz veins.

Also, as part of this program, I propose to traverse and prospect the limestone belt on unstaked ground immediately to the north-west of my W.P.R. claim group. This was the part of my 1996 proposal which I was unable to carry out due to the length of time spent on trenching and sampling inside the claim group.

All old trenches will be located and sampled. A number of old showings in this area are improperly located. Trenches are caved in and in danger of being lost. Known precious metal skarns within the lime belt make this area one of the most promising in the Karmutsen volcanics of the Coast Complex.

#### “Joy” - 92 K 107

Preliminary sampling returned low gold values only but I wish to return and spend another day prospecting for old trenches I might have missed because of the reported values – 926 g/tonne Au across 30 cm quartz vein (Ministry of Mines Annual Report - 1926) (See also enclosed summary of 1995 prospecting activity in the vicinity of Saxon Lake).

#### “Trilby” - 92 K 014

P.M.E. Cu skarn 3.5 g/tonne Au, 89 g/tonne Ag, 6% Cu (Ministry of Mines Annual Report, 1916, pg. 345). This showing was not located so another prospecting day is required for a more thorough search.

**Results and Recommendations**

⑨  
— results of Exploration on W.P.R.  
claim group — 1996

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The purpose of this program was to delineate the rock type/depositional environment and exact location of know high grade gold values associated with the Wing & September occurrence. Preliminary sampling from last years' program by Hodgson indicated values up to 3.15 oz/ton closely associated with chalcopyrite bearing quartz veins.

Detailed prospecting, trenching and sampling in the vicinity of the Wing & September showings have failed to locate the source of these high values. All of the samples greater than 1.0 oz/ton were taken from dump material at the September occurrence. Quartz vein material taken from trench #2 did routinely assay 0.7-1.0 oz/ton (samples 11, 12, 13, 14, 15, 42) but channel sample results failed to correlate with widths with values. The success of the program stems from the identification of a clearly regional gold bearing alteration zone of major dimensions (180 m X 1000 m). Within this zone, mineralized limestone and Karmutsen volcanics are interbedded and control the deposition of enriched quartz veins at the contacts. Stratigraphic control of the quartz veins at limestone/volcanic contacts suggest a syngenetic volcano-sedimentary deposition - possibly the quartz veins are actually re-crystallized siliceous sediments. These bedded quartz veins (cherts??) contain anomalous quantities of pyrite, chalcopyrite, pyrrhotite, arsenopyrite and gold.

Large amounts of overburden has made prospecting difficult. Since this fertile gold depositional environment should not be discounted, alternate methods of exploration must be used.

It is recommended that the identified gold zone deserves the benefit of a detailed geophysical survey using the most sensitive instruments available. e.g. (I.P. induced polarization). Also, a mechanized stripping program would be useful in the immediate vicinity of trench #2 of the September showing.

## SUPPLEMENTARY DOCUMENTS

1. Statement of Qualifications
  2. Free miner certificate copy
  3. Copies of previous option agreements negotiated.
  4. Copies of MINFILES from local occurrences. (unstaked)
  5. Copy of contract with Sir Sandford Fleming College, School of Natural Resources - proof of post-secondary teaching experience.
  6. Resume
  7. Location map - W.P.R. Claims 92K3 E+W
  8. Detailed location maps - current claim maps ~~92K17 E+W and 92K11 W~~ -  
~~showing proposed traverses.~~
  - ~~9. Conclusions & Recommendations of Hodgson's 1988 report~~
  10. Copy of I.P. estimate from Scott Geophysics Ltd.
- (11) - Property map showing proposed I.P. traverses.



1

**Statement of Qualifications**

I, Rand Hodgson, of 5674 Marlatt Ave., Powell River, B.C. do hereby certify that:

- 1.) I hold a Bachelor of Science degree in Geology from the University of Waterloo, Waterloo, Ontario, 1977.
  
- 2.) I have based conclusions and recommendations contained in this report on knowledge gained from eighteen (18) years experience in gold and base metal exploration, and on results of field work on the property.



**Rand Hodgson, B.Sc., B.Ed.**

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**RUN DATE:** 04/05/96

**MINFILE NUMBER:** 092K 014

**NATIONAL MINERAL INVENTORY:** 092K3 A23

**NAME(S):** TRILBY

**STATUS:** Prospect  
**NTS MAP:** 092R03W  
**LATITUDE:** 50 12 29  
**LONGITUDE:** 125 16 43  
**LOCATION ACCURACY:** Within 1 KM  
**COMMENTS:** Located 4 kilometres southeast from Granite Bay and 800 metres east from the logging-railroad (Minister of Mines Annual Report 1916).

**MINING DIVISION:** Nanaimo  
**UTM ZONE:** 10  
**NORTHING:** 5564000  
**EASTING:** 338000

**COMMODITIES:** Gold Silver Copper

**MINERALS**

**SIGNIFICANT:** Pyrrhotite Chalcopyrite  
**ASSOCIATED:** Quartz Hornblende  
**ALTERATION:** Quartz Garnet Epidote Hornblende  
**ALTERATION TYPE:** Silicific'n Skarn  
**MINERALIZATION AGE:** Unknown  
**ISOTOPIC AGE:** **DATING METHOD:** Unknown **MATERIAL DATED:**

**DEPOSIT**

**CHARACTER:** Massive  
**CLASSIFICATION:** Skarn  
**TYPE:** Cu skarn  
**DIMENSION:** 0090 x 0002 Metres **STRIKE/DIP:** **TREND/PLUNGE:**

**HOST ROCK**

**DOMINANT HOST ROCK:** Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Upper Triassic	Vancouver	Karmutsen	
Upper Triassic	Vancouver	Quatsino	
Mesozoic-Cenozoic			Coast Plutonic Complex

**LITHOLOGY:** Andesite  
 Granitic Intrusive  
 Limestone  
 Dike

**HOST ROCK COMMENTS:** Skarn mineralization occurs in andesite near granitic contact. Limestone outcrops nearby.

**GEOLOGICAL SETTING**

**TECTONIC BELT:** Insular **PHYSIOGRAPHIC AREA:** Georgia Depression  
**TERRANE:** Wrangell

**INVENTORY**

**ORE ZONE:** DUMP

**CATEGORY:** Assay/analysis **YEAR:** 1916  
**SAMPLE TYPE:** Grab  
**COMMODITY**

COMMODITY	GRADE	UNIT
Silver	89.1400	Grams per tonne
Gold	3.4300	Grams per tonne
Copper	6.2000	Per cent

**REFERENCE:** Minister of Mines Annual Report 1916, page 345

**CAPSULE GEOLOGY**

The area is underlain by Upper Triassic Karmutsen Formation volcanic rocks of the Vancouver Group. These are interbedded with, and overlain to the northeast by a northwest trending belt of Quatsino Formation limestone (Vancouver Group) known historically as the "lime-belt". The Vancouver Group rocks are in fault and/or intrusive contact to the northeast with intrusive rocks of the Juro-Cretaceous Coast Plutonic Complex.

The Trilby skarn deposit occurs within a metamorphic zone of grey to green andesitic rock near its contact with granitic intrusive rocks and about 15 metres from a body of limestone. A narrow andesite dyke occurs in the orebody and roughly follows the strike of the ore. The deposit consists of pyrrhotite with associated chalcopyrite occurring in a gangue of quartz, garnetite, epidote and hornblende.

The strike of the orebody is nearly west. The dip varies from 30 degrees south to almost vertical. The orebody is exposed along strike by a series of open cuts for a distance of 90 metres. A 6 metre deep incline shaft sunk on the deposit exposes a 2.4 metre maximum ore thickness.

A grab sample from the dump at the mouth of the shaft assayed 3.43 grams per tonne gold, 89.14 grams per tonne silver and 6.2 per cent copper (Minister of Mines Annual Report 1916).

**MINFILE NUMBER:** 092K 01

4

RUN DATE: 04/05/96

MINFILE NUMBER: **092K 107**

NATIONAL MINERAL INVENTORY:

NAME(S): **PLATO, JOY 2**

STATUS: Prospect  
 NTS MAP: 092K03W  
 LATITUDE: 50 12 39  
 LONGITUDE: 128 18 39  
 ELEVATION: 0075 Metres  
 LOCATION ACCURACY: Within 500M

MINING DIVISION: Nanaimo  
 UTM ZONE: 10  
 NORTHING: 5564350  
 EASTING: 337500

COMMENTS: Located near the eastern shore of Saxon Lake about 3.5 kilometres southeast of Granite Bay.

COMMODITIES: Gold Silver Zinc Copper

**MINERALS**

SIGNIFICANT: Pyrite Pyrrhotite Chalcopyrite  
 ASSOCIATED: Quartz  
 MINERALIZATION AGE: Unknown  
 ISOTOPIC AGE: DATING METHOD: Unknown MATERIAL DATED:

**DEPOSIT**

CHARACTER: Vein  
 CLASSIFICATION: Hydrothermal Epigenetic  
 TYPE: Polymetallic veins Ag-Pb-Zn

**HOST ROCK**

DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Upper Triassic	Vancouver	Karmutsen	

LITHOLOGY: Andesite

**GEOLOGICAL SETTING**

TECTONIC BELT: Insular  
 TERRANE: Wrangell

PHYSIOGRAPHIC AREA: Georgia Depression

**INVENTORY**

ORE ZONE: VEIN

CATEGORY: Assay/analysis YEAR: 1926  
 SAMPLE TYPE: Grab  

COMMODITY	GRADE	
Silver	10.2900	Grams per tonne
Gold	51.4300	Grams per tonne
Zinc	1.0000	Per cent

COMMENTS: Sample across 30 centimetres.  
 REFERENCE: Minister of Mines Annual Report 1926

**CAPSULE GEOLOGY**

The area is underlain by Upper Triassic Karmutsen Formation volcanic rocks of the Vancouver Group. These are interbedded with, and overlain to the northeast by a northwest trending belt of Quatsino Formation limestone (Vancouver Group) known historically as the "lime-belt". The Vancouver Group rocks are in fault and/or intrusive contact to the northeast with intrusive rocks of the Juro-Cretaceous Coast Plutonic Complex.

A pyritic quartz vein from 5 to 45 centimetres wide, strikes 160 degrees and dips 80 degrees. The vein cuts andesite and can be traced for about 100 metres. Two shafts, considerable open cutting, trenching and stripping were done on the prospect prior to 1911. A sample across 30 centimetres assayed 51.43 grams per tonne gold, 10.29 grams per tonne silver and 1 per cent zinc. Another sample over 30 centimetres assayed 926 grams per tonne gold and 103 grams per tonne silver (Minister of Mines Annual Report 1926).

A shear containing pyrite, pyrrhotite and traces of chalcopyrite were examined in 1984 (Assessment Report 12467).

**BIBLIOGRAPHY**

EMPR AR #1926-313  
 EMPR ASS RPT #10357, #12467  
 EMPR EXPL 1981-270; 1984-236; 1987-C218  
 EMPR BULL 23: 40  
 GSC SUM RPT 1913, pp. 53-75  
 GSC MEM 23: 146pp  
 GSC MAP 120A: 1386A  
 GSC OF 463: 480  
 GSC P 70-1A, pp. 44-49; 71-1A, pp. 31-33; 72-1A, pp. 21-23; 73-1A,

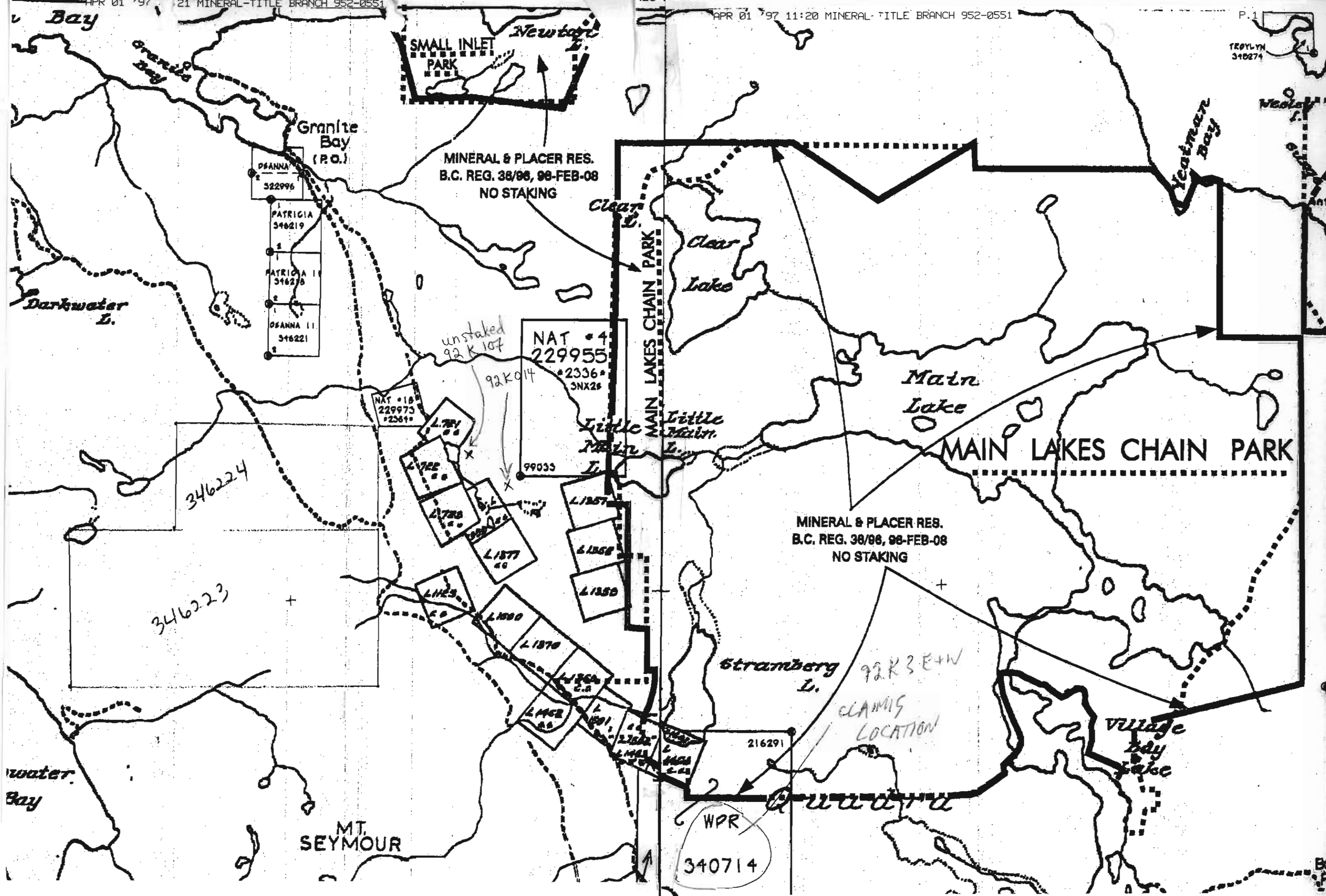
MINFILE NUMBER: **092K 10**



W.P.R. CLAIM GROUP (7)

CLAIM LOCATION MAP

Scale 1: 250,000



Granite Bay (P.O.)

SMALL INLET PARK

MINERAL & PLACER RES.  
B.C. REG. 38/86, 98-FEB-08  
NO STAKING

OSANNA  
522996

1 PATRIGIA  
346219

5 PATRIGIA II  
346278

2 OSANNA II  
346221

NAT # 4  
229955  
#2336  
3NX28

NAT # 18  
229973  
#2381\*

346224

346223

L1857

L1858

L1859

L1877  
40

L1880

L1879

L1881

L1882

L1883

L1884

L1885

L1886

L1887

L1888

L1889

MINERAL & PLACER RES.  
B.C. REG. 38/86, 98-FEB-08  
NO STAKING

MAIN LAKES CHAIN PARK

Stramberg L.

92K3E+W  
CLAIMS  
LOCATION

216291

WPR  
340714

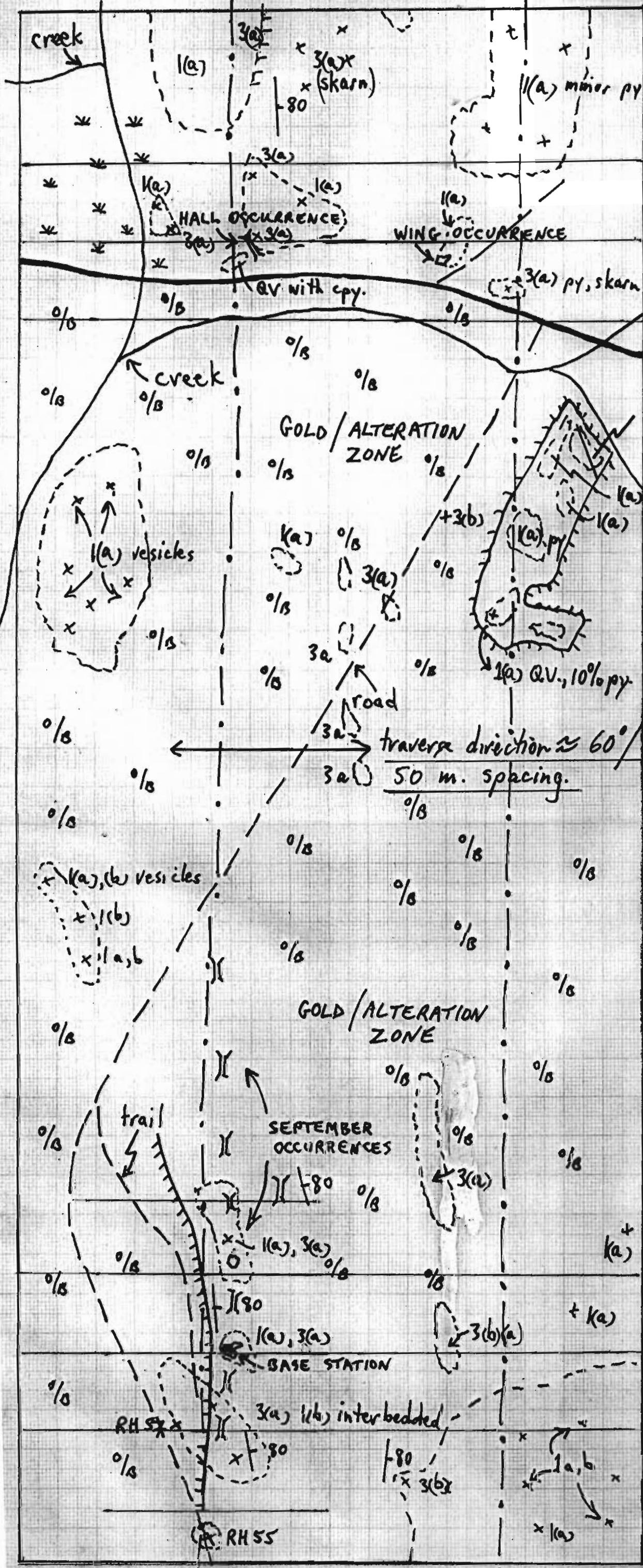
MT. SEYMOUR

Village Bay Lake

TRAYLYN  
340274

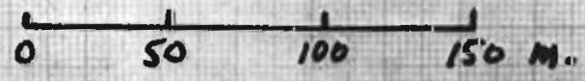


\* - Initial exploratory I.P. Geophysical traverses. Grid to be expanded based on initial response.



LITHOLOGY	
UPPER KARMUTSEM FORMATION	
1) MAFIC VOLCANIC	(a) basalt (b) andesite
2) FELSIC VOLCANIC	(a) rhyolite (b) dacite
3) SEDIMENT	(a) limestone (b) sandstone (quartzite)
COASTAL PLUTONIC COMPLEX	
4. (a)	Granite
(b)	diorite

- limit of gold depositional zone.
- ridge
- trench
- \* - swamp
- o/b - overburden
- o - outcrop
- RH = sample #



W.P.R. CLAIMS  
 QUADRA ISL. B.C.  
 GEOLOGY DETAIL-MAP 4  
 SCALE 1: 2500  
 NOV. 19, 1996  
 RAND HODGSON BSc, BEd.