

PROSPECTORS ASSISTANCE PROGRAM - 1996/97
INDIVIDUAL PROSPECTOR REPORT

PROJECT DETAILS

NTS 092K/03 LAT. 50 09 59 LONG. 125 14 10 TARGET Au, Ag, Cu, Vein, Skarn

PROJECT AREA

Quadra Island (WPR Claims)

NTS 092K/03W LAT. 50 12 39 LONG. 125 16 39 TARGET Au, Ag, Cu Skarn

PROJECT AREA

Saxon Lake

NTS LAT. LONG. TARGET

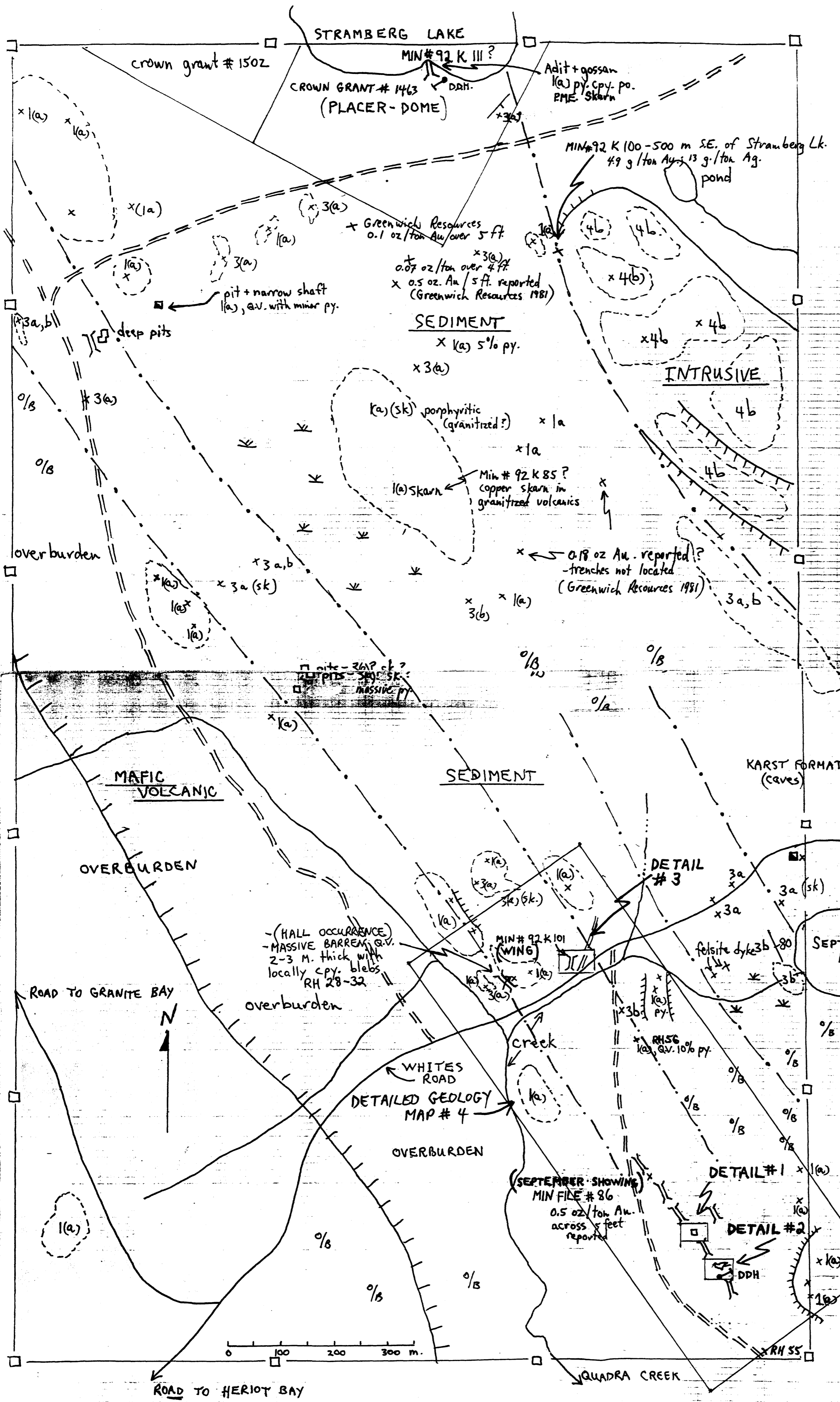
PROJECT AREA

PROGRAM COMPONENTS: Prospecting, Sampling

FIELD VISIT BY:

DATE:

COMMENT



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
- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- sil silicified
- ser sericite

--- geological contact

○ outcrop

▬ ridge

▬ trail

▬ road

o/b overburden

* swamp

m. meter

g. gram

oz. ounce

Au. gold

Min. - Min file

a.v. - quartz vein

■ shaft

▬ trench

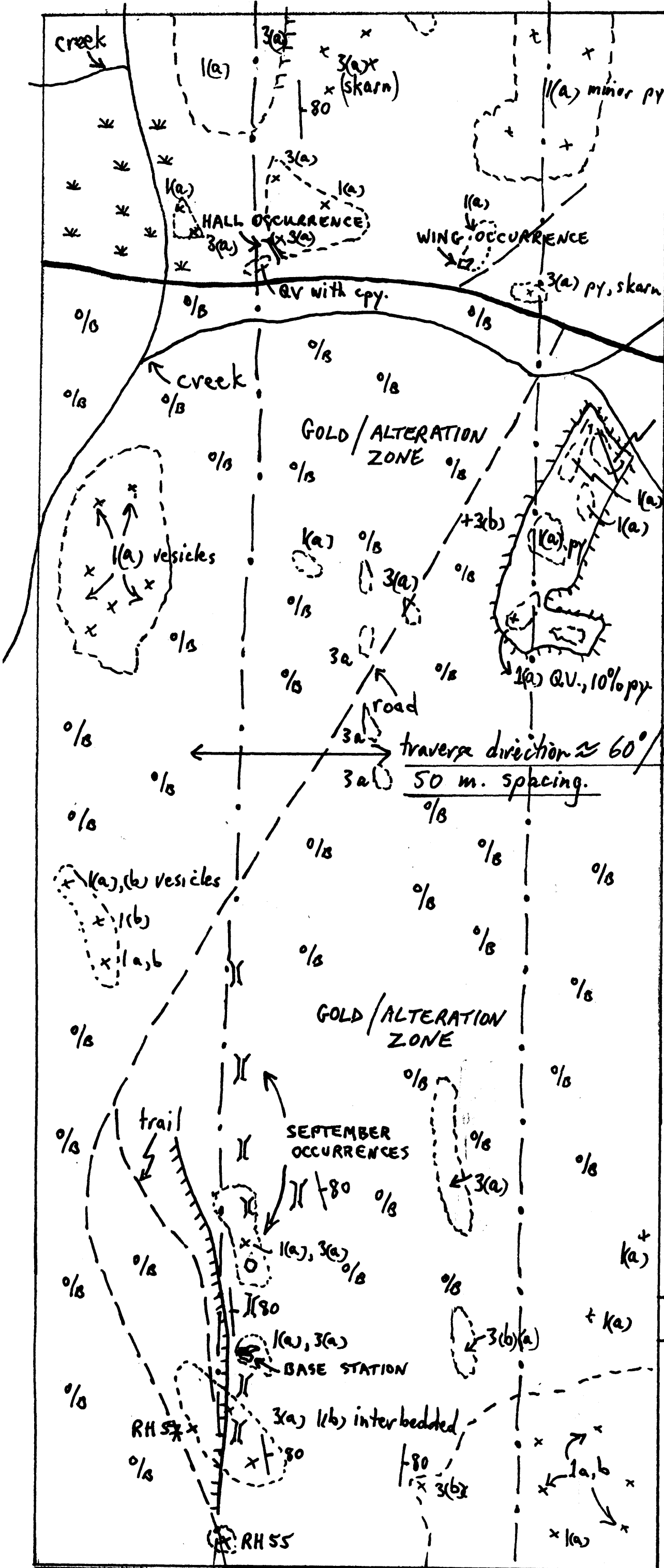
W.P.R. CLAIMS

QUADRA ISL. B.C.
 DETAIL LOCATION MAP
 SAMPLE LOCATION MAP

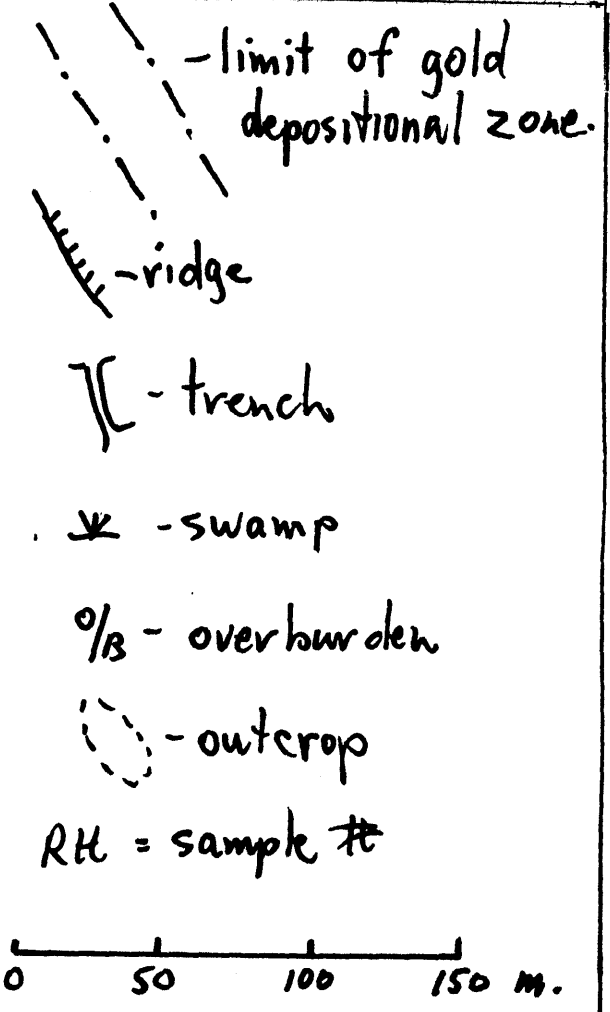
SCALE 1:5000

NOV. 19, 1996

RAND HODGSON B.Sc. B.Ed.



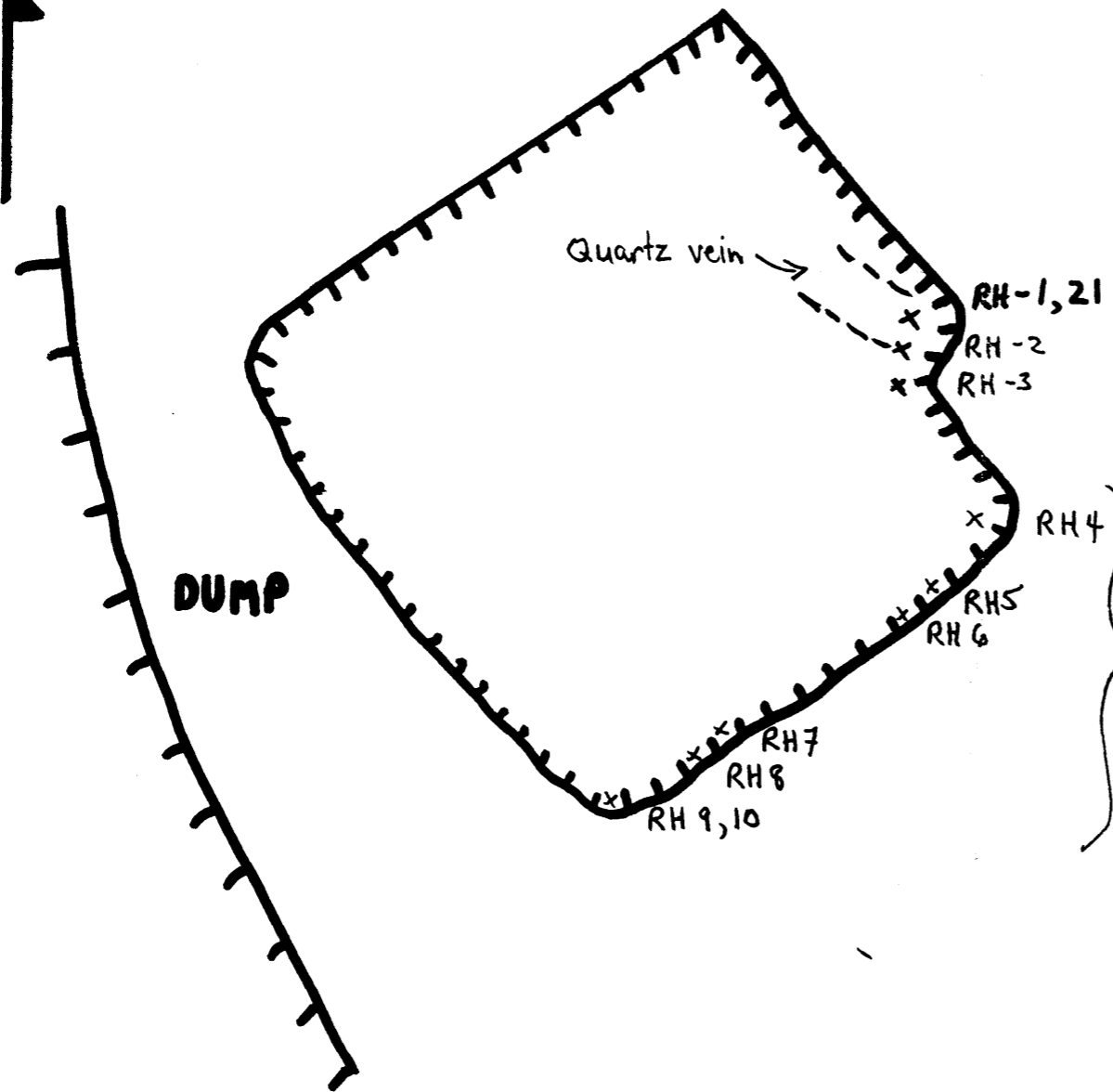
LITHOLOGY	
UPPER KARMUTSEN FORMATION	
1)	MAFIC VOLCANIC
	(a) basalt
	(b) andesite
2)	FELSIC VOLCANIC
	(a) rhyolite
	(b) dacite
3)	SEDIMENT
	(a) limestone
	(b) sandstone (quartzite)
COASTAL PLUTONIC COMPLEX	
4	(a) Granite
	(b) diorite



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

N

SEPTEMBER OCCURRENCE



0 1 2 3 meters

massive py. po. in gossan zone up to 5 meters across. in mafic volcanics

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

W.P.R. CLAIMS, QUADRA ISL.

TRENCH DETAIL # 1; AND
SAMPLE LOCATIONS

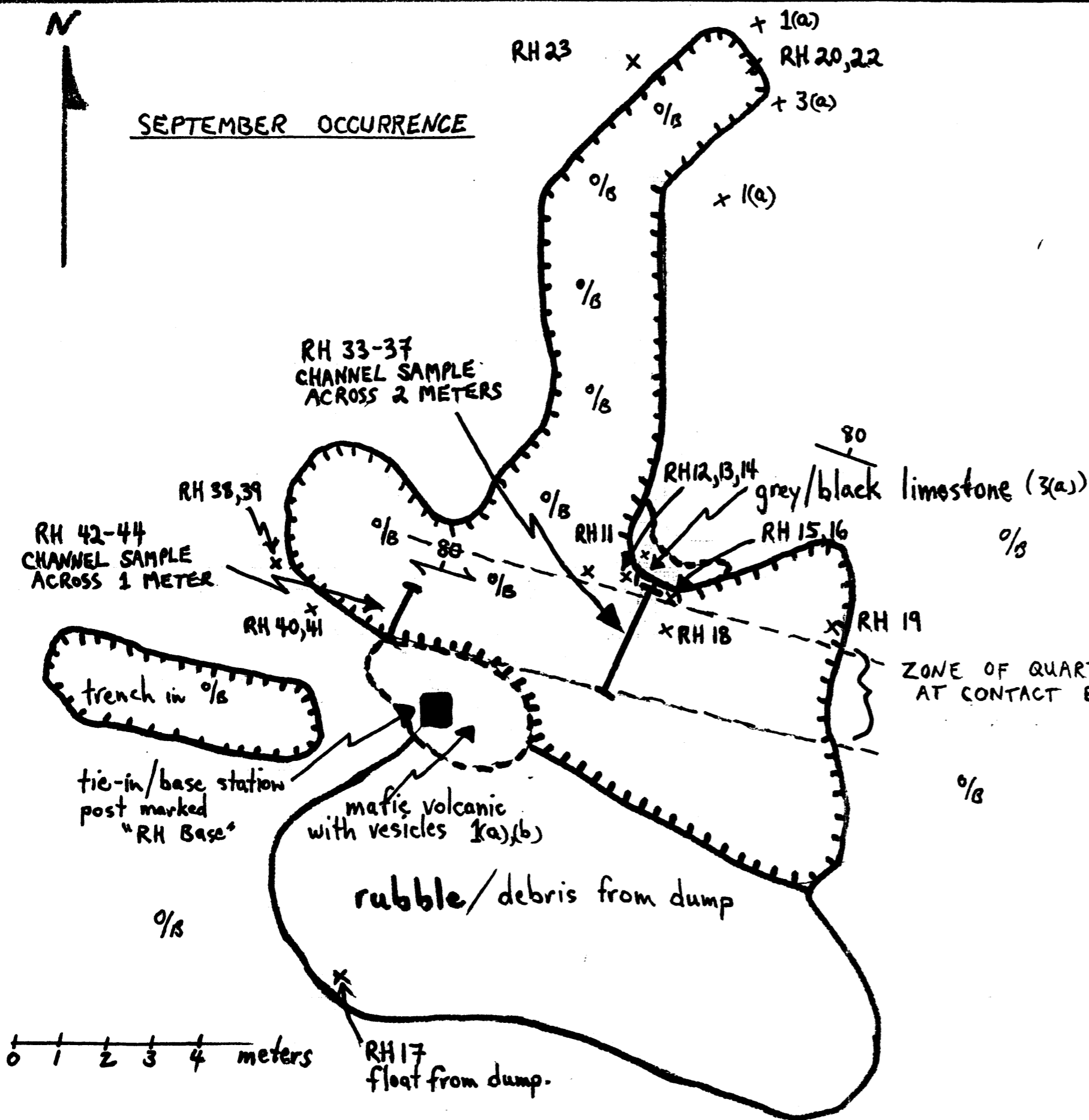
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NOV. 1 1996

RAND HODGSON B.Sc., B.Ed.

N

SEPTEMBER OCCURRENCE



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

ZONE OF QUARTZ/SULFIDE MINERALIZATION
AT CONTACT BETWEEN VOLCANICS AND SEDIMENTS
AVERAGE THICKNESS OF ZONE IS 2 METERS

W.P.R. CLAIMS, QUADRA ISL.

TRENCH DETAIL # 2; AND
SAMPLE LOCATIONS

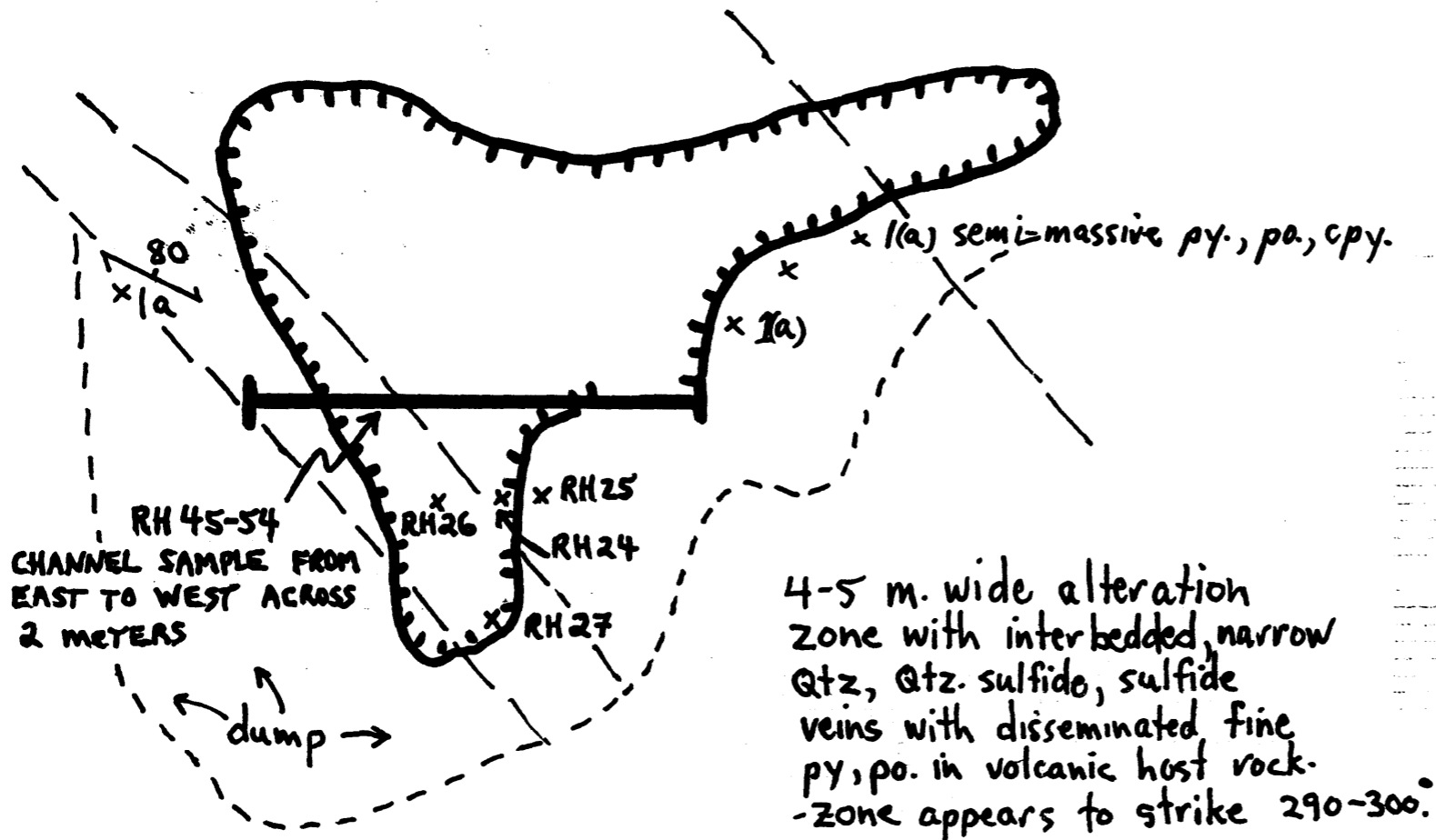
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NOV 15 1996

RAND HODGSON B.Sc., B.Ed.

0 1 2 3 4 meters

WING OCCURRENCE



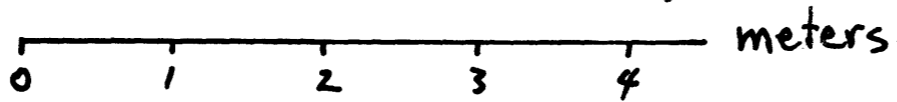
LITHOLOGY

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



W.P.R. CLAIMS, QUADRA ISL.

TRENCH DETAIL #3; and
SAMPLE LOCATIONS

SCALE 1:50

NOV. 30, 1996

RAND HODGSON B.Sc., B.Ed.

Proposed Prospecting Program 1996

The aim of the project is to carry out a detailed stripping and sampling program on the September Showing (MINFILE 92 K 86) and the Hall showing (92 K 101) located on the W.P.R. claims (Claim Map # 92 K 03 E & W). These are the recommendations of my report dated January 1, 1996¹. These showings yield gold values commonly up to 3 oz/ton from grab samples. The purpose of the sampling is to determine which particular rock type hosts the gold. Once this is known a tonnage estimate can be done with the aim of small scale extraction.

Also, as part of this program, I propose to traverse and prospect the limestone belt on unstaked ground immediately to the northwest of my W.P.R. 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. (See Hodgson's report and recommendations enclosed)

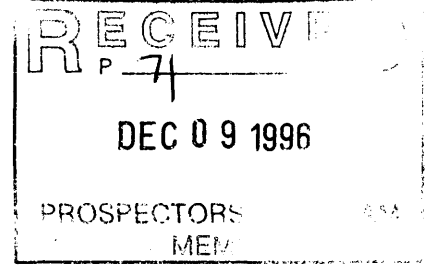
Some of the showings in the area which are still unstaked include:

a) "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).

b) "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.



Report on a Detailed Prospecting and Rock Sampling Program

W.P.R. Claim Group - Quadra Island,

Nanaimo Mining Division, British Columbia

N.T.S. 92 K 03 E & W

December 09 1996

Rand Hodgson, B.Sc., B.Ed.
Geologist

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- Geology Detail #4	

Introduction

This report describes the results of a detailed prospecting and sampling survey conducted over a 375 hectare 4 post claim located centrally on Quadra Island, British Columbia. The property is a precious metal/base metal prospect containing numerous occurrences. The survey was carried out during the months of September, October, and November 1996.

A detailed description of the rock types encountered is provided, along with the character and dimension of veins and mineralized zones, and results of rock assays. The survey was conducted by Rand Hodgson of 5674 Marlatt Ave., Powell River, B.C. V8A 4E7

Property Description, Location and Access

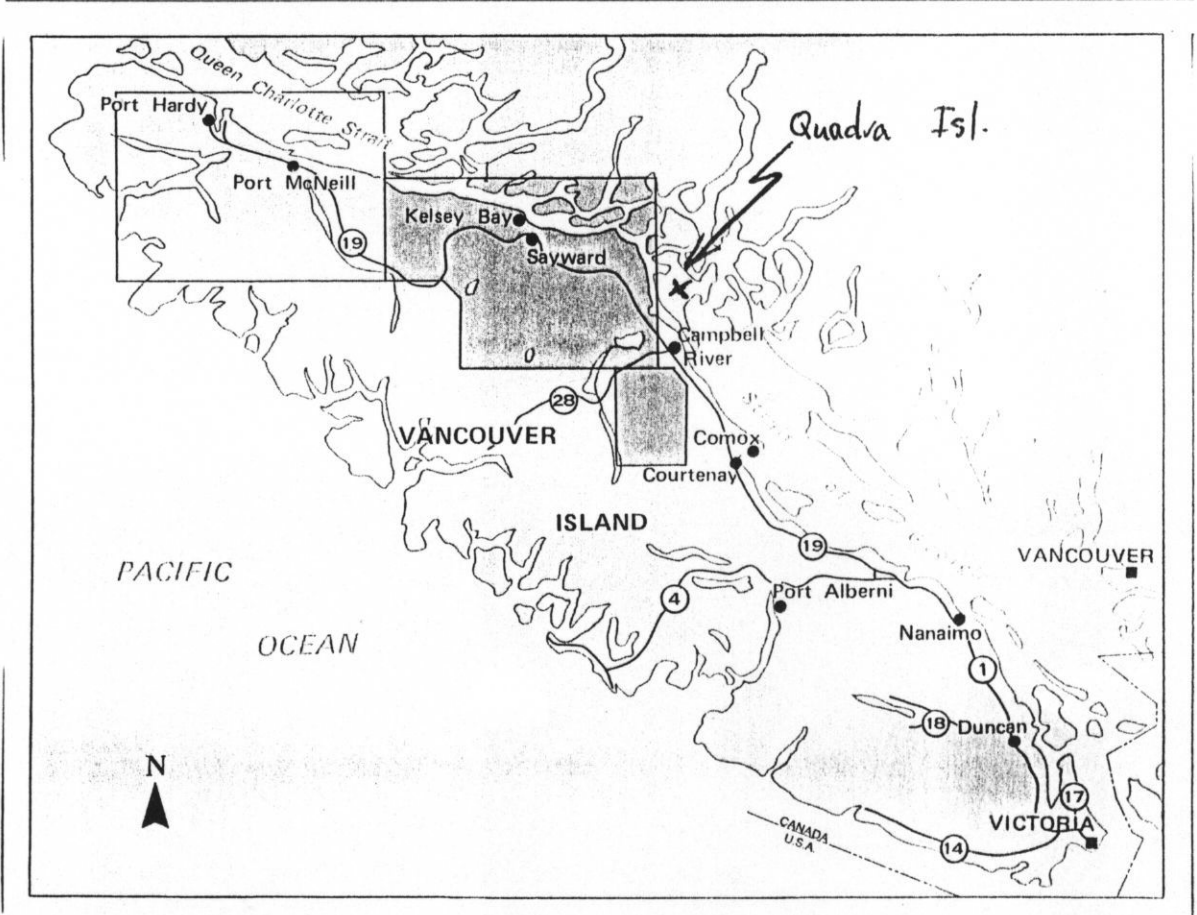
The W.P.R. property consists of 15 claim units of 500m² each, located in central Quadra Island, Nanaimo Mining Division, N.T.S. Reference Sheet No. 92 K 3 Quadra Island. It is approximately eighteen kilometers due north of the town of Campbell River. Access is by car ferry to Quadra Island, then by road to the southern portion of the property.

The claims were staked October 5, 1995 by Rand Hodgson, and are registered same.

Topography and Overburden

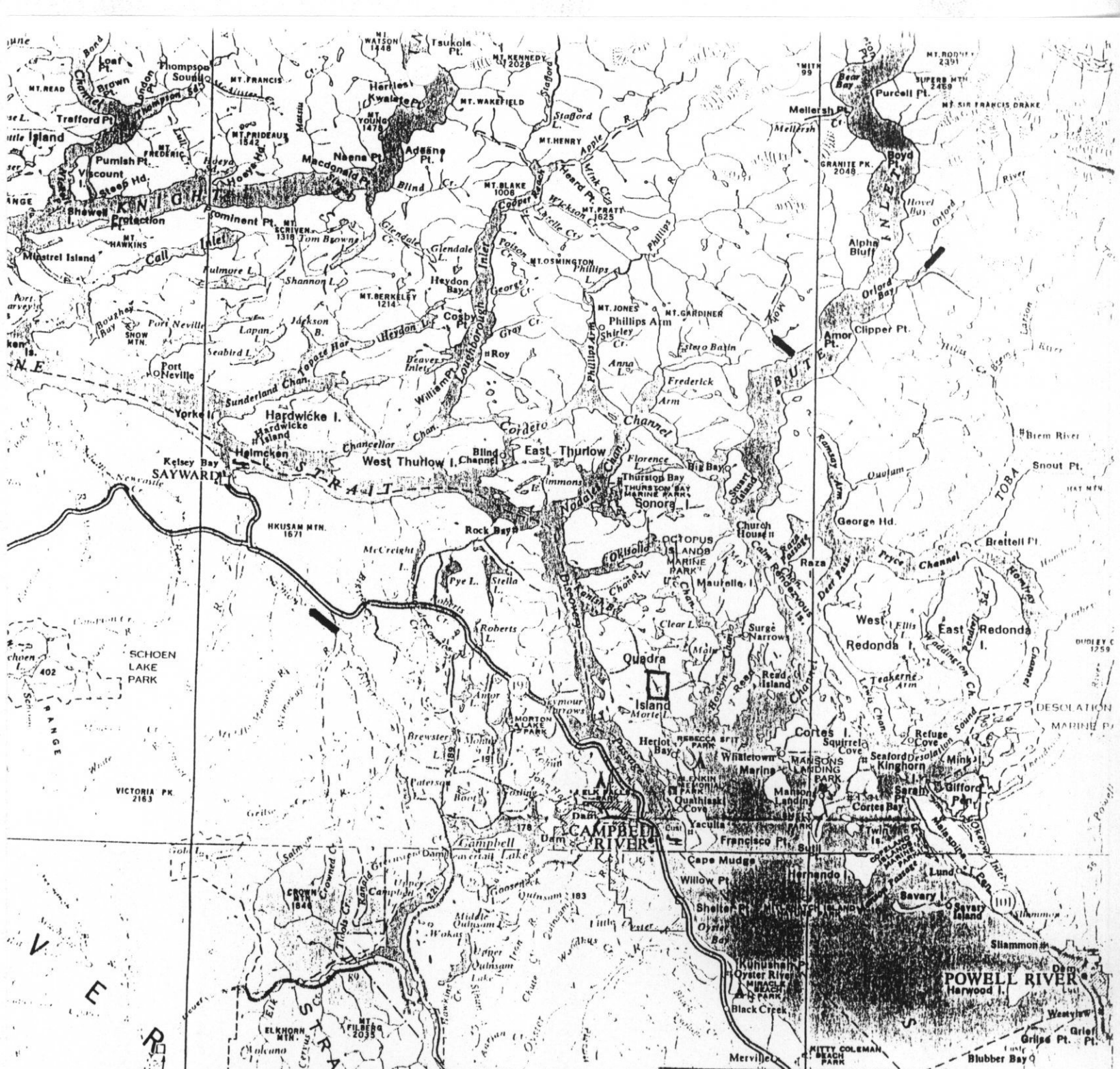
The topographic features correspond to the geology, i.e. striking N 30⁰W. Four to six hundred foot ridges separate a central valley which corresponds to the mineralized limestone belt which was the target of the staking. These features are probably attributed to differential erosion of the softer limestones, rather than to block faulting which has been suggested by most previous geological reports.

The side of the ridge west of the limestone belt is covered with a thick layer of glacial till. Fortunately, most of the till appears to overlie the Karmutzen volcanic unit west of the limestones. The target mineralized limestone is relatively flat and/or hummocky with well dispersed outcrop exposure separated by thin layers of overburden only.



W.P.R. CLAIMS

LOCATION MAP



W.P.R. CLAIMS

DETAILED LOCATION MAP

Scale 1:250,000

MINERAL & PLACER RES.
B.C. REG. 36/96, 96-FEB-08
NO STAKING

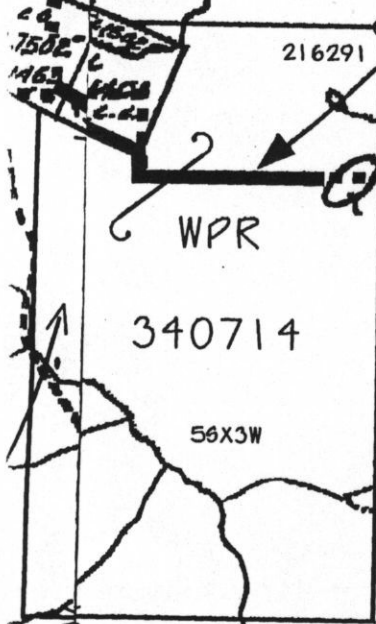
Stramberg
I.

Village
Bay
Zk

on hill set back

new dock last cabin

Village
Bay
Lake



92 K 03E
Purchased October
September 1996
I.

Island

LR-7

Village Bay

Gossett
Bo

W.P.R. CLAIMS

CLAIMS LOCATION

MAP

QUADRA ISLAND, B.C.

Scale 1:31,680

Regional Geology

The following excellent summary of the regional geology is taken from the B.C. Ministry of Energy, Mines Petroleum Resources *Minfile # 92 K 86*

"The geology of Quadra Island consists of limestones and volcanic rocks in contact with the Juro-Cretaceous Coast Plutonic Complex. Striking northwest through the centre of the island is a soft, dark, banded, tightly folded, crystalline limestone of the Upper Triassic Quatsino Formation. The banding is caused by argillaceous layers a few centimetres thick. To the southwest and stratigraphically below are finely porphyritic andesites of the Upper Triassic Karmutsen Formation. Locally, the volcanics are basaltic and may exhibit pillow and pyroclastic features. The Quatsino Formation limestone and Karmutsen Formation volcanic rocks are intimately interbedded along the central zone of the island, which is known historically as the "lime belt". The "lime belt" crosses the island in a northwest direction from Open Bay to Deepwater Bay. The north-eastern edge of the belt is in contact (partly intrusive, partly faulted) with the Jurassic to Cretaceous Coast Plutonic Complex. It ranges from quartz diorite to granodiorite in composition."

Table of Lithological Units

Stratified Rocks

- Upper Triassic Vancouver Group

- Parson Bay Formation: dark limy shale, calcarenite, wacke

- Quatsino Formation: mainly thick-bedded, light grey bioclastic limestone

- Karmutsen Formation

 - Lava flows, pillow lava, minor limestone, shale within Quastino Formation

Plutonic Rocks

- Granodiorite, Quartz diorite, Diorite, Gabbro

Hypabyssal Rocks

- Felsite

Summary of Previous Exploration and Development

The mineral potential on Quadra Island has been known since the late 1800s. Ore has been produced from the Lucky Jim Mine (Crown Grant L. # 723) where reserves still stand at 13,000 tonnes of 17g Ag, 11g Au, 2% Cu.

There is little doubt that precious metal production from the island is significantly higher than what the literature suggests. The frequency and size of old workings seen on this property alone -- together with extremely high gold assay values -- guarantees that a certain level of unreported production occurred.

In more recent times, the property has been the target of all manner of exploration, including geophysical, geochemical surveys, and limited diamond drilling.

Some companies involved in this exploration include the following:

- Prince Stewart Mines (1972) (various assessment reports)
- Great Bear Mining Ltd. (1975) (Assessment Report 5680)
- Greenwich Resources Inc. (1981) (Assessment Report 10538)
- Lone Jack Resources (1987) (Assessment Report 17797)
- Nation River Resources (1987) (Assessment Report 16143)

Placer Dome currently owns Crown Grant # 1463 which covers an adit on the south shore of Stramberg Lake.

Summary of 1996 Exploration Work

The 1996 field program consisted of the physical excavation and sampling of three pre-existing trenches, two from the September Lake Occurrence (Minfile #92 K 86) and one from the Wing occurrence (Min File # 92 K 101). Detailed geology and sample locations (maps 1-3) are provided. Channel samples were taken across a 2 meter zone of alteration from the September occurrence and a 4 meter zone of alteration from the Wing occurrence.

Prospecting was concentrated on a 150 meter wide zone of alteration/mineralization consisting of series' of parallel limestone beds within the Karmutsen volcanics. Vertically dipping beds of basalt seem to act as the control for deposition of the interbedded mineralization. Bedded quartz veins (silicified volcanics?) include chalcopyrite, pyrite, pyrrhotite, arsenopyrite and gold.

The zone was explore for a length of 1000 meters in the area between the Wing & September occurrences (map 4). The zone was traversed across strike (60° - 240° lines; 50 m spacing) using pace and compass method of navigation. Good control was maintained using the creeks, trails, and road criss-crossing the zone.

Property Geology and Mineralization

The property overlies a complete section of the Quatsino limestone with parts of the Karmutsen basalts on its western flank and parts of the Coast Pluton to the east. The limestone unit strikes N 30°W across the length of the claim group and has an average thickness of 1000 metres. Skarn alteration is common throughout the limestone.

This report focuses on two MINFILE occurrences described as follows:

MINFILE # 92 K 86 "September Lake"

Classification - P.M.E. Skarn

Mineralization - Pyrite, pyrrhotite, chalcopyrite, bornite, pyrolusite and minor quartz. Significant gold values associated with all the mineral types

*sources: MINFILE capsule geology;
Sheppard, E.P. (1972) Geological Report on the Contact Claims for Prince
Stewart Mines;
Hodgson's geochemical survey (1995).*

Host Rock - basalt/limestone contact. Mineralization exposed in numerous trenches 400m along strike, 50m across; massive sulphide mainly hosted by limestone

Highest Reported Assay - 158g/tonne Au; 61g/tonne Ag; 0.9% Cu (grab sample)

***Note: lowest sample from many 27g/tonne Au**

MINFILE # 92 K 101 "Wing & Hall Showings"

Note: MINFILE capsule geology reports two separate showings in the same general vicinity.

"Wing Showing"

Classification - hydrothermal

Mineralization - quartz veins with pyrite and pyrrhotite

Host Rock - volcanic/ limestone contact, intrusives also present

Highest Reported Assay - 1oz/ton Au, 4 oz/ton Ag from grab samples

source: Sheppard, 1972, Prince Stewart Mines Contact Claims.

"Hall Showing" - reported east of wing showing

Classification - hydrothermal

Mineralization - pyrite and pyrrhotite

Host Rock - 4ft thick quartz vein at limestone volcanic contact

Highest Reported Assay - 168g/tonne Au, 83 g/tonne Ag, 5% Cu from grab samples (Sheppard, 1972, Prince Stewart Mines)

Results and Recommendations

The purpose of this program was to delineate the rock type/depositional environment and exact location of known 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.

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.



Dec 9 / 96

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

Appendix I Sample Descriptions

- RH1 Quartz vein with 10% disseminated py, cpy, po., no carbonate
RH2 " " "
RH3 " " "
RH4 10% diss. po. in silicified volcanic, no carbonate
RH5 " " "
RH7 Interm. volcanic with massive arseno?, minor cpy.
RH8 Same as RH7
RH9 Massive po., py. (or arsenopyrite?)
RH10 Massive po., py. (or arsenopyrite?)
RH11 Quartz vein with cpy., py., arsenopyrite (5-10%)
RH12 Quartz vein with " " "
RH13 Same
RH14 Same
RH15 Limestone, 20% py.
RH16 Quartz and cpy.
RH17 Pale blue quartz with 20% cpy. - from dump material
RH18 Quartz with 5% py cpy. in limestone
RH19 " " "
RH20 Quartz vein with minor py in volcanic host
RH21 Quartz with py. cpy.
RH22 Quartz vein with minor py. in volcanics
RH23 Grey sediment and qtz. with minor cpy. from dump
RH24 Quartz/sulfide material from shear zone in Wing showing
RH25 " " "
RH26 Basalt with diss. py. po. - Wing showing
RH27 " " "
RH28 Bull quartz from Hall showing
RH29 White bull quartz with 5% cpy. blebs - Hall showing
RH30 " " "

RH31 White quartz with 20% cpy. blebs.

RH32 " " "

RH33

RH34

RH35

RH36

RH37

Channel sample from September occurrence - 5 samples across 2 meters

RH38 Quartz with py. po. cpy. arseno - from dump

RH39 " " "

RH40 Mafic volcanic from dump 10-20% diss. py.

RH41 " " "

RH42

RH43

RH44

RH45

RH46

RH47

RH48

RH49

RH50

RH51

RH52

RH53

RH54

Channel sample from September occurrence - 3 samples across 1 meter

Channel from Wing showing - 10 samples across 4 meters

RH55 Silicified volcanic with minor py.

RH56 Quartz with 10% py. limestone/volcanic contact



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HODGSON, STEVEN

5674 MARLATT
POWELL RIVER, BC

Project :
Comments:

Page Number :1
Total Pages :1
Certificate Date: 02-OCT-96
Invoice No. : I9634187
P.O. Number :
Account : OED

CERTIFICATE OF ANALYSIS

A9634187

SAMPLE	PREP CODE		Au g/t FA+AA	Au FA g/t	OZ/T						
01	205	226	2.38	-----	0.09						
02	205	226	0.490	-----	0.016						
03	205	226	0.620	-----	0.02						
04	205	226	0.440	-----	0.014						
05	205	226	2.90	-----	0.096						
06	205	226	0.110	-----	0.003						
07	205	226	6.20	-----	0.206						
08	205	226	7.56	-----	0.25						
09	205	226	>12.00	12.48	0.416						
10	205	226	1.970	-----	0.065						

CERTIFICATION: Steve Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

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5674 MARLATT
POWELL RIVER, BC

Project :
Comments: ATTN: S. HODGSON

Page Number : 1
Total Pages : 1
Certificate Date: 01-NOV-96
Invoice No. : 19638417
P.O. Number :
Account : OED

CERTIFICATE OF ANALYSIS

A9638417

SAMPLE	PREP CODE	Au FA oz/T										
11	205	226	0.893									
12	205	226	0.539									
13	205	226	0.854									
14	205	226	0.230									
15	205	226	0.752									
16	205	226	0.099									
17	205	226	4.215									
18	205	226	0.082									
19	205	226	0.095									
20	205	226	0.027									
21	205	226	0.013									
22	205	226	0.137									
23	205	226	0.339									
24	205	226	0.247									
25	205	226	0.190									
26	205	226	0.023									
27	205	226	0.003									
28	205	226	0.007									
29	205	226	0.002									
30	205	226	0.003									
31	205	226	0.004									
32	205	226	0.053									

CERTIFICATION:

Steve Vonk



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HODGSON, RANDY

5674 MARLATT
POWELL RIVER, BC
V8A 4E7

Project :
Comments: ATTN:R.HODGSON

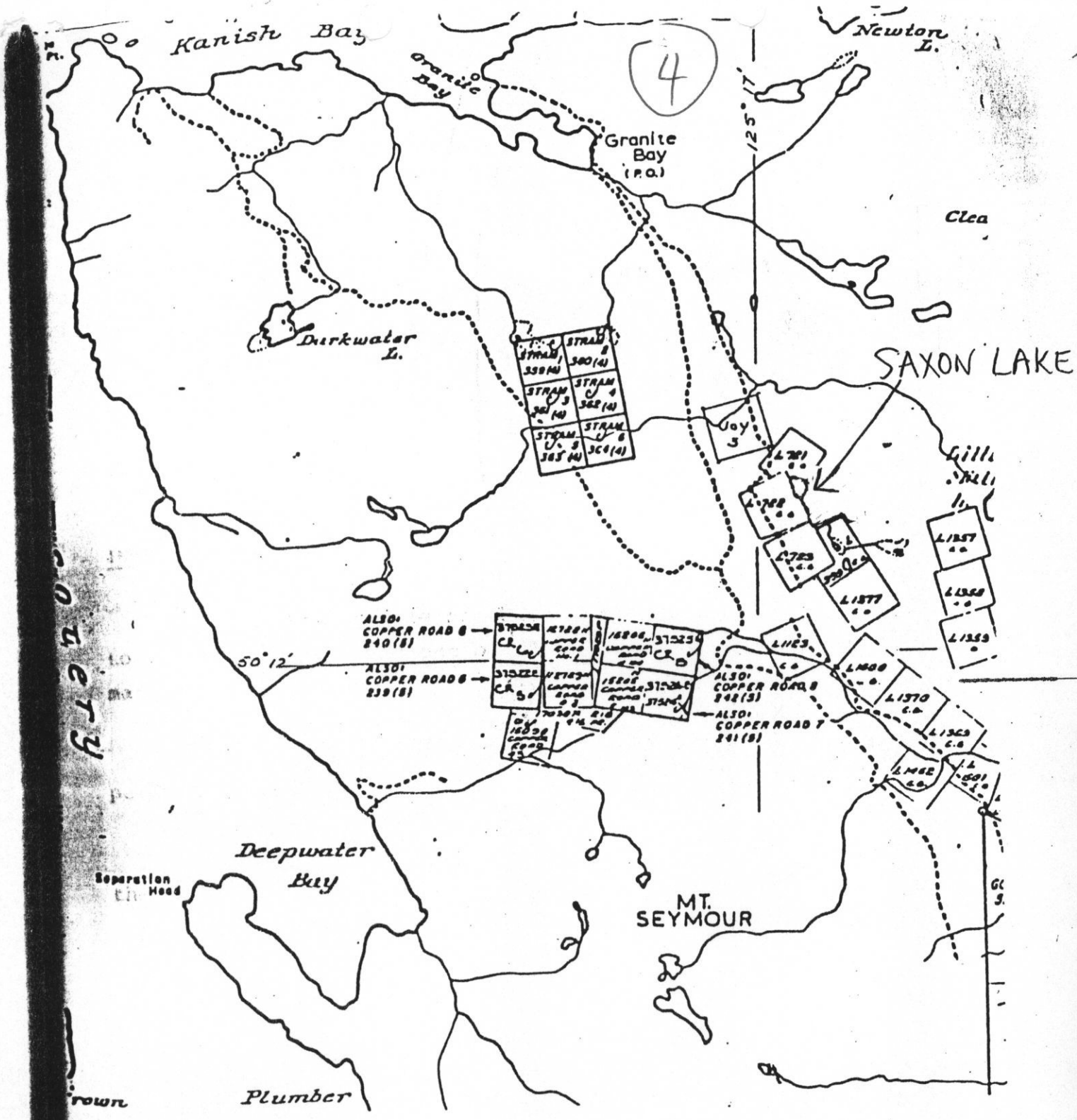
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Certificate Date: 21-NOV-96
Invoice No. : I9640323
P.O. Number :
Account : OED

CERTIFICATE OF ANALYSIS

A9640323

SAMPLE	PREP CODE	Au FA oz/T									
33	208 226	0.041									
34	208 226	0.011									
35	208 226	0.066									
36	208 226	0.010									
37	208 226	0.162									
38	208 226	1.506									
39	208 226	1.031									
40	208 226	0.318									
41	208 226	0.363									
42	208 226	1.040									
43	208 226	0.058									
44	208 226	0.186									
45	208 226	0.082									
46	208 226	< 0.002									
47	208 226	0.006									
48	208 226	0.100									
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54	208 226	< 0.002									
55	208 226	< 0.002									
56	208 226	< 0.002									

CERTIFICATION:



IDA MAY RESOURCES LTD.

JOY PROPERTY
 QUADRA ISLAND

Nanaimo Mining Division

CLAIM MAP

Scale 1 - 50,000

Summary of Prospecting Activity in the Vicinity of Saxon Lake,
Quadra Island, British Columbia
N.T.S 092 K 03 W

As part of the Quadra Island program, several traverses were carried out in the vicinity of Saxon Lake, a small lake located 3 km north northwest from the W.P.R. claim group in the same mineralized Quatsino limestone unit.

Two reconnaissance traverses were planned to include the examination of two known unstaked occurrences: MINFILE #'s 092 K 014 and 092 K 107.

MINFILE # 092 K 107 "Joy"

- highest reported assay 926 g/tonne Au across 30 cm of quartz vein (Ministry of Mines Annual Report - 1926)

MINFILE # 092 K 014 "Trilby"

- P.M.E. Cu skarn 3.5 g/tonne Au; 89g/tonne Ag; 6% Cu (Ministry of Mines Annual Report - 1916 pg 345)
- massive cpy, po, with quartz, garnet, epidote, hornblende in an andesite host. Ore body is 2.5 m. thick, exposed for 90 m.

Only the Joy property (926g/tonne Au reported) was located. Three samples were taken from a mineralized limestone/basalt contact in a pit on the south-east shore of Saxon Lake (RH #'s 30-32) Two other mineralized outcrops were also sampled during these traverses (RH#'s 29,33) See map #2.

- Sources:
- i) *B.C. Government MINFILES*
 - ii) *Ida May Resources, "Joy Property Report", Quadra Island*

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: 125 16 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**

RUN DATE: 04/05/96

MINFILE NUMBER: **092K 014**

NATIONAL MINERAL INVENTORY: 092K3 Au3

NAME(S): **TRILBY**

STATUS: Prospect
 NTS MAP: 092K036
 LATITUDE: 50 12 29
 LONGITUDE: 125 16 13
 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**

RUN DATE: 04/05/96

MINFILE NUMBER: 092K 097

NATIONAL MINERAL INVENTORY:

NAME(S): REBECCA, GOLD THREAD

STATUS: Prospect
 NTS MAP: 092K03W
 LATITUDE: 50 11 56
 LONGITUDE: 125 16 24
 ELEVATION: 0090 Metres
 LOCATION ACCURACY: Within 1 KM

MINING DIVISION: Nanaimo
 UTM ZONE: 10
 NORTHING: 5563000
 EASTING: 337750

COMMENTS: The Rebecca claims were staked in 1932 covering the old Gold Thread claims. The workings are 400 metres at 120 degrees from the house of Mr. Stromberg; the house is approximately 5.0 kilometres southeast from Granite Bay (Stevenson, 1938). Map 120A places it just south of the Lucky Jim (092K 015), Geological Survey of Canada Summary Report 1913. The occurrence may occur on one of the crown grant claims in the area.

COMMODITIES: Copper Gold

MINERALS

SIGNIFICANT: Chalcopyrite Pyrrhotite Pyrite Gold Sylvanite
Telluride

COMMENTS: Economic minerals occur as sparse disseminations in quartz vein.

ASSOCIATED: Quartz

MINERALIZATION AGE: Unknown

ISOTOPIC AGE:

DATING METHOD: Unknown

MATERIAL DATED:

DEPOSIT

CHARACTER: Vein
 CLASSIFICATION: Hydrothermal Epigenetic
 TYPE: Cu-Ag quartz veins

HOST ROCK

DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE

Upper Triassic

GROUP

Vancouver

FORMATION

Karmutsen

IGNEOUS/METAMORPHIC/OTHER

LITHOLOGY: Porphyritic Andesite
 Andesite Dike

GEOLOGICAL SETTING

TECTONIC BELT: Insular
 TERRANE: Wrangell

PHYSIOGRAPHIC AREA: Georgia Depression

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 Gold Thread showing consists of a lenticular quartz vein striking 155 degrees and dipping 70 degrees to the northeast. The vein follows tight shearing occurring within porphyritic andesite that is also cut by numerous fine-grained andesite dykes.

The vein/lens ranges from 2 to 30 centimetres in thickness. The quartz is sparsely mineralized containing occasional particles of chalcopyrite, pyrrhotite, pyrite, native gold and a black lustrous telluride identified as sylvanite. Two samples, 20 and 30 centimetres in width, both assayed nil in gold and silver (Stevenson, J.D., 1938).

BIBLIOGRAPHY

EMPR PF (*Special Report on the Rebecca claims for Minister of Mines Annual Report 1938 by J.S. Stevenson)
 EMPR BULL 23: 40
 GSC SUM RPT #1913, p. 72
 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, pp. 42, 43

DATE CODED: 850724
 DATE REVISED: 890510

CODED BY: GSB
 REVISED BY: GJP

FIELD CHECK: N
 FIELD CHECK: N

MINFILE NUMBER: 092K 09