

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 89.05.06

ASSESSMENT REPORT 17395

MINING DIVISION: Nanaimo

PROPERTY: Bacon
LOCATION: LAT 49 58 06 LONG 125 37 25
UTM 10 5538190 311855
NTS 092F13E

CLAIM(S): Bacon
OPERATOR(S): Tessolini, R.
AUTHOR(S): Brownlee, D.J.
REPORT YEAR: 1988, 20 Pages

COMMODITIES

SEARCHED FOR: Iron, Copper, Cobalt, Gold

GEOLOGICAL

SUMMARY: Granodiorite/quartz diorite intrudes Triassic and/or Jurassic limestone and andesitic volcanic rocks. Skarns formed at intrusive contacts comprise both an epidote-diopside-chlorite assemblage and massive magnetite with minor pyrite and chalcopyrite and up to 1.08 per cent cobalt and 22.9 grams per tonne gold.

WORK

DONE: Geochemical
ROCK 8 sample(s) ; CU, CO, FE, AG, AU

RELATED

REPORTS: 16321
MAPFILE: 092F 256

FILE NO: 0520	RD.
FILE NO:	

**FOLLOW-UP
LITHOGEOCHEMICAL SURVEY
of the
BACON CLAIM**

FILMED

Nanaimo Mining Division - British Columbia

Lat. 49° 58' N

Long. 125° 37' W

N.T.S. 92 F/13 E

OWNER : MR. R. TESSOLINI

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,395
by

Douglas J. Brownlee, Geologist

April 25, 1988

Vancouver, B.C.

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Appendix I	Lithogeochemical Results
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SUMMARY

Rock sampling and detailed geological mapping of the Bacon claim, owned by Mr. R. Tessolini, was conducted by Mr. D.J. Brownlee and Mr. S. Sawiuk from May 1st to 3rd, 1987.

The property is underlain by Triassic and/or Jurassic limestone and andesitic volcanic rocks which have been intruded by granodiorite, quartz diorite of the Coast Intrusions. Skarns have formed at the contact of the intrusive and limestone.

The foremost purpose of the survey was to confirm the high gold content of magnetite skarn sampled during the preliminary survey in the spring of 1987. Further purposes of this survey were to determine the distribution of the gold mineralization and to identify any existing physical or chemical controls.

INTRODUCTION

Rock sampling was conducted on the Bacon claims of Mr. Tessolini from November 18 to 19, 1987. This survey was conducted by D.J. Brownlee, geologist with the assistance of Mr. M. Sawiuk, geologist. The purpose of the survey was to determine the significance of the single rock sample collected during the preliminary reconnaissance that had graded 0.67 oz/ton of gold.

LOCATION AND ACCESS

The Bacon claim is located some 40 kilometres west of Campbell River, B.C., at approximately 125° 37' W. longitude and 49° 58' N. latitude and is covered by N.T.S. sheet 92 F/13E (Figure 1).

Access to the claims is by truck along Highway 28 from Campbell River to upper Campbell Lake and then by year-round logging roads.

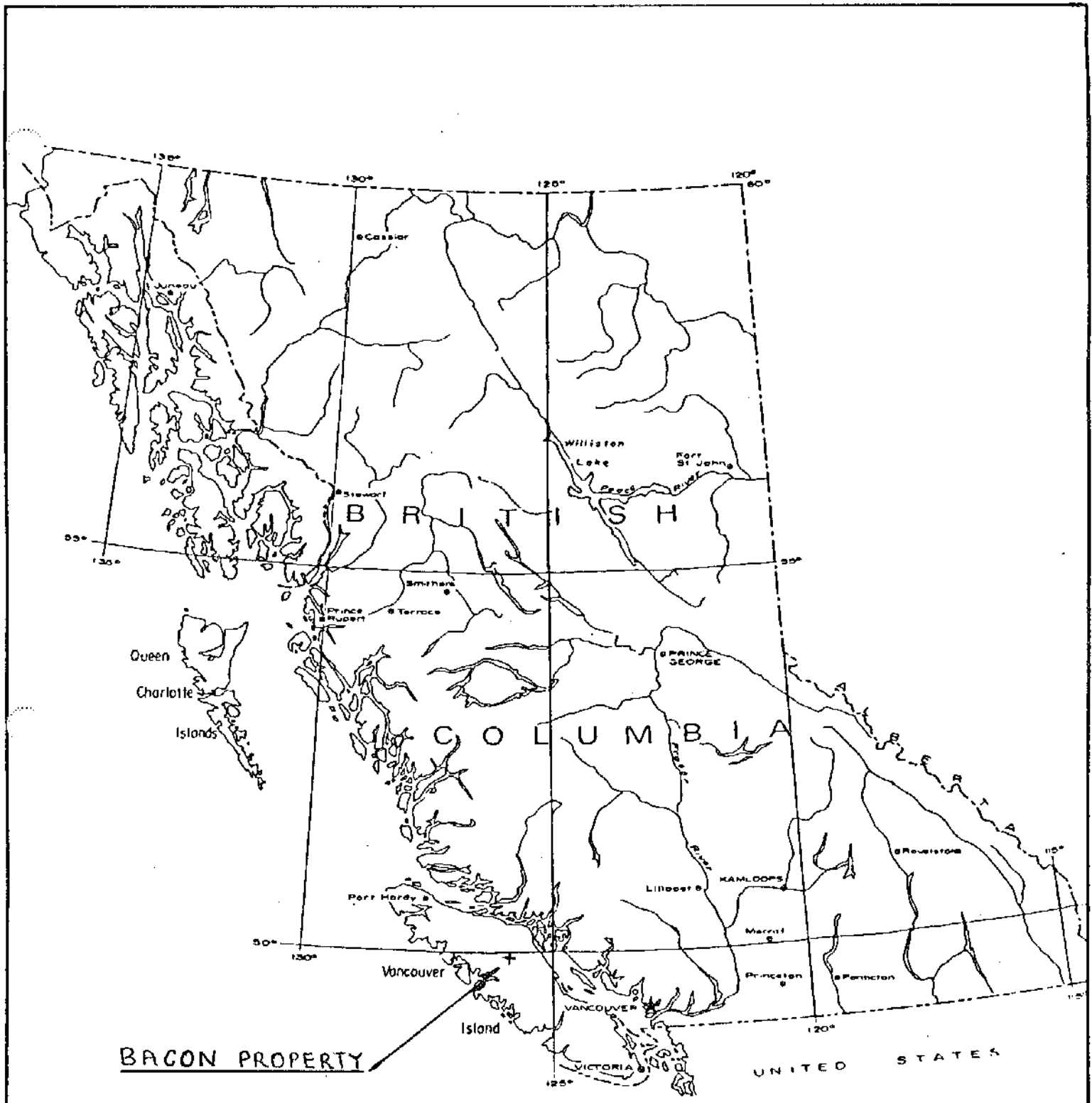
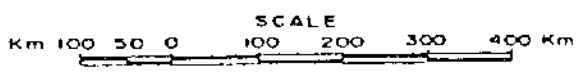


FIG. 1

LOCATION MAP



CLAIM DATA

The property consists of one 4-post mineral claim called the "Bacon" and is 12 units in size. It is recorded at the Nanaimo Mining Division Office under record number 2366. Mr. R. Tessolini of Lake Louise, Alberta, is the owner of record. The expiry date is May 16, 1988 (Figure 2).

HISTORY

A magnetite bearing skarn was first discovered in the claim area in the early 1950s. Argonaut Mines Ltd. conducted a magnetometer survey over the property and diamond drilled the property during the mid to late 1950s. Minor work was done on the property during the early 1960s, but apparently was not recorded. No further recorded work was done on the property until it was staked by Mr. R. Tessolini.

WORK PROGRAM

Two days were spent in the area of an outcrop of massive magnetite where sample B-87-001 had been collected six months previously. The outcrop is located on the east side of Bacon Lake immediately west of an overgrown logging road as shown in Figure 2.

Seven rock samples were later collected by Z. Rebic of MineQuest Exploration Associates Ltd. during a property examination. This examination does not form any part of this assessment work program but rock sample locations and results are included for the sake of interest and completeness.

GEOLOGY

The property is underlain by Upper Triassic limestone and calcareous shales of possibly the Quatsino Formation. Overlying this unit is Triassic and/or Jurassic tuff, andesitic volcanic breccia and lava with interbeds of argillite, siltstone and limestone.

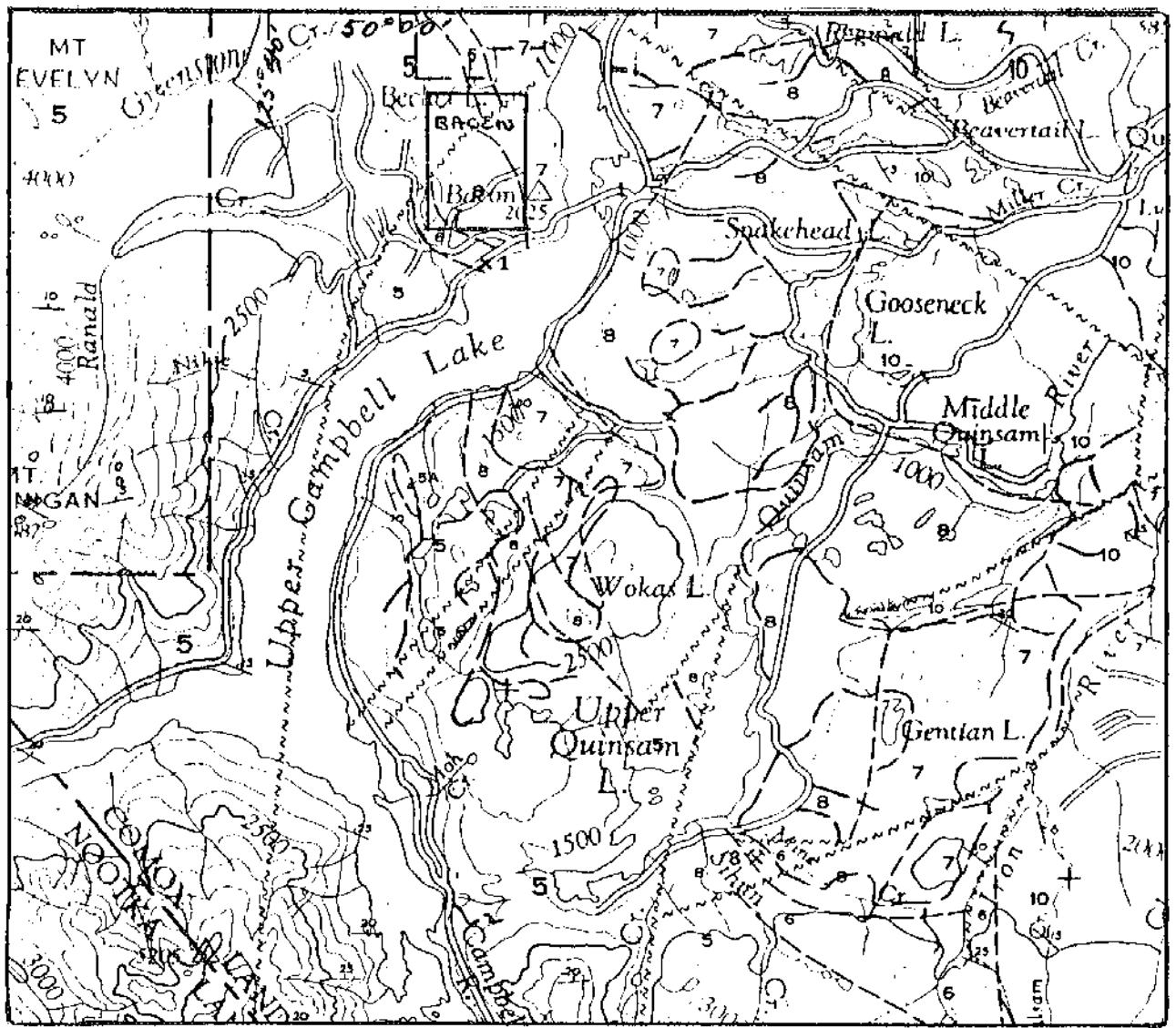
These are intruded by Jurassic and/or Cretaceous granodiorite, quartz diorite of the Coast Intrusions (Figure 3).

LITHOGEOCHEMISTRY

A total of eight rock samples were collected from the magnetite skarn (Figures 4 and 5) and tested for copper, cobalt, iron, silver and gold, by geochemical analysis. Samples B-87-005 and B-87-005A were repeatedly tested for iron and gold by fire assay. Descriptions of the eight rock samples are as follows:

<u>Sample No.</u>	<u>Description</u>
B-87-005	Massive magnetite with cobaltite and erytherite.
B-87-005	Medium grained green volcanic rock with minor magnetite and erytherite on fracture surface.
B-87-005B and B-87-005C	Semi-massive magnetite within volcanic rocks with minor erytherite.
B-87-006	Fine-grained skarnified volcanic rock with minor magnetite.
B-87-007	Massive magnetite, malachite and trace of chalcopryrite.
B-87-008	Altered pyritic volcanic rock.
B-87-008A	Massive magnetite.
B-87-008B	Bleached limestone with pyrite.

Sample B-87-005 confirms the presence of gold in significant concentrations (0.456 oz/ton). The results also show a remarkable correlation between gold and cobalt that occur in an approximate ratio of 1 g/ton gold for every 300 to 700 ppm cobalt. Silver appears to be best correlated with copper at a similar ratio but there is not enough data for this to be considered conclusive. Iron content of massive magnetite varies between 25% and 55%.



CRETACEOUS

UPPER CRETACEOUS

NANAIMO GROUP (9-11)

10 COMOX FORMATION: sandstone, pebbly sandstone; minor conglomerate, shale, coal

JURASSIC AND (?) CRETACEOUS

COAST INTRUSIONS

8 Granodiorite; minor quartz diorite

TRIASSIC AND (?) JURASSIC

VANCOUVER GROUP (5-7)

7 Tuff, andesitic volcanic breccia and lava; argillite, siltstone; includes some rocks of unit 6

TRIASSIC

UPPER TRIASSIC

6 Limestone, calcareous shale; skarn near intrusive contacts

5 Massive, partly amygdaloidal, basalt, pillow basalt, pillow breccia; minor tuff, volcanic breccia

5A: limestone, calcareous siltstone, shale, interbedded in 5

Geological boundary, approximate

Bedding (horizontal, inclined, overturned)

Bedding (observed from distance or from air photos)

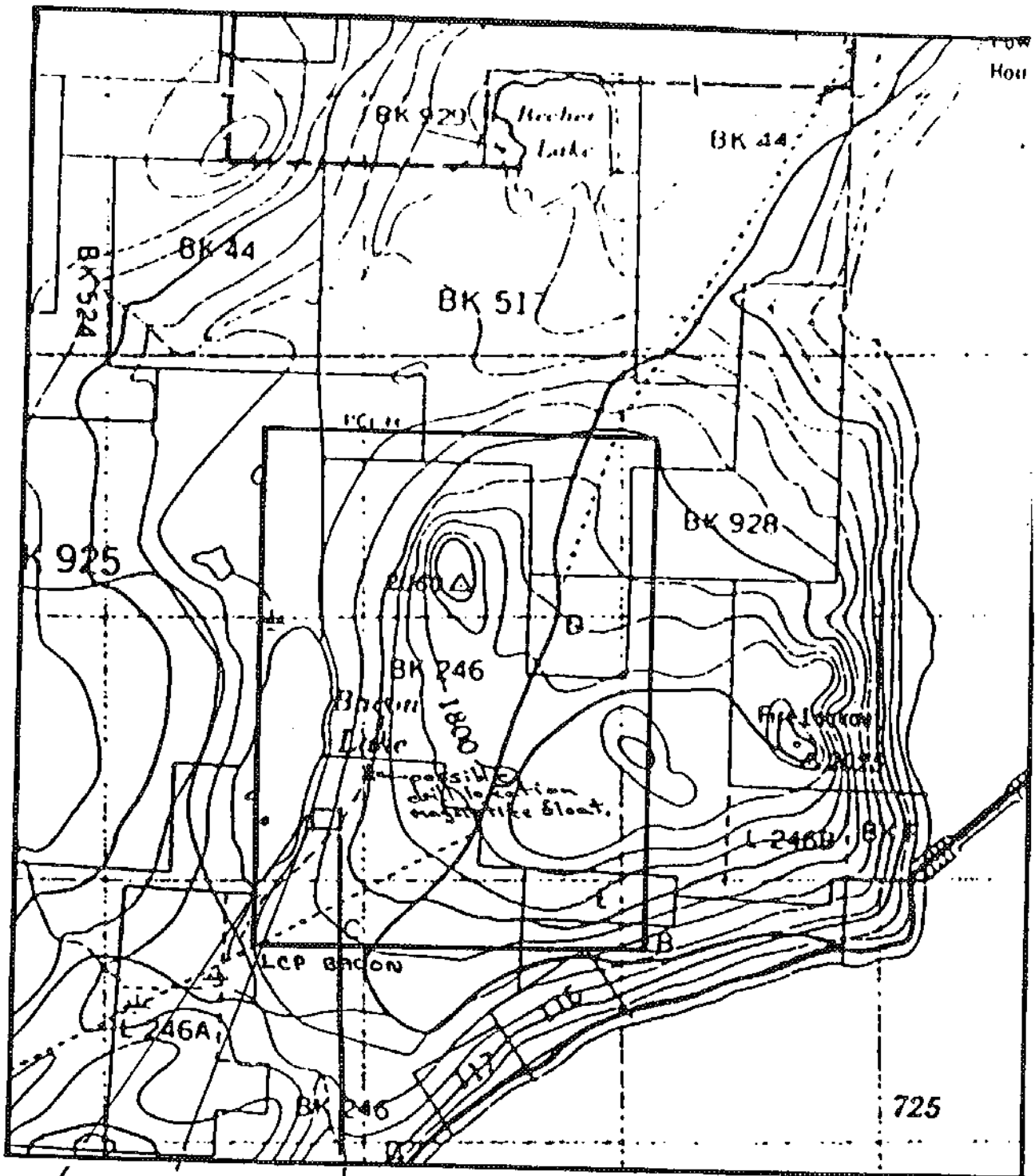
Schistosity

Fault, assumed

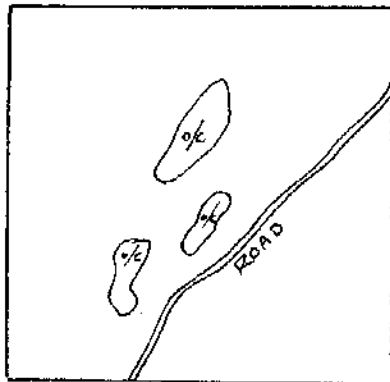
GEOLOGY MAP	
BACON M.C.	
NANAIMO M.D.	92F 13
May 1, 1988 DRWN BY D.R. FIG 3	

Aster J.E. Muller 1964 Map 2-1965

MESOZOIC



SKETCH MAP



0 10 20 30 40 50
METRES



0 1 2 3 4 5 10
100's of metres

SAMPLE LOCATIONS BACON M.C.		
MANAIMO M.D.	92F 13E	
May 1, 1988	DRWAY DJB	FIG 4

○ MASSIVE MAGNETITE
± pyrite, epidote, chlorite, eurythite

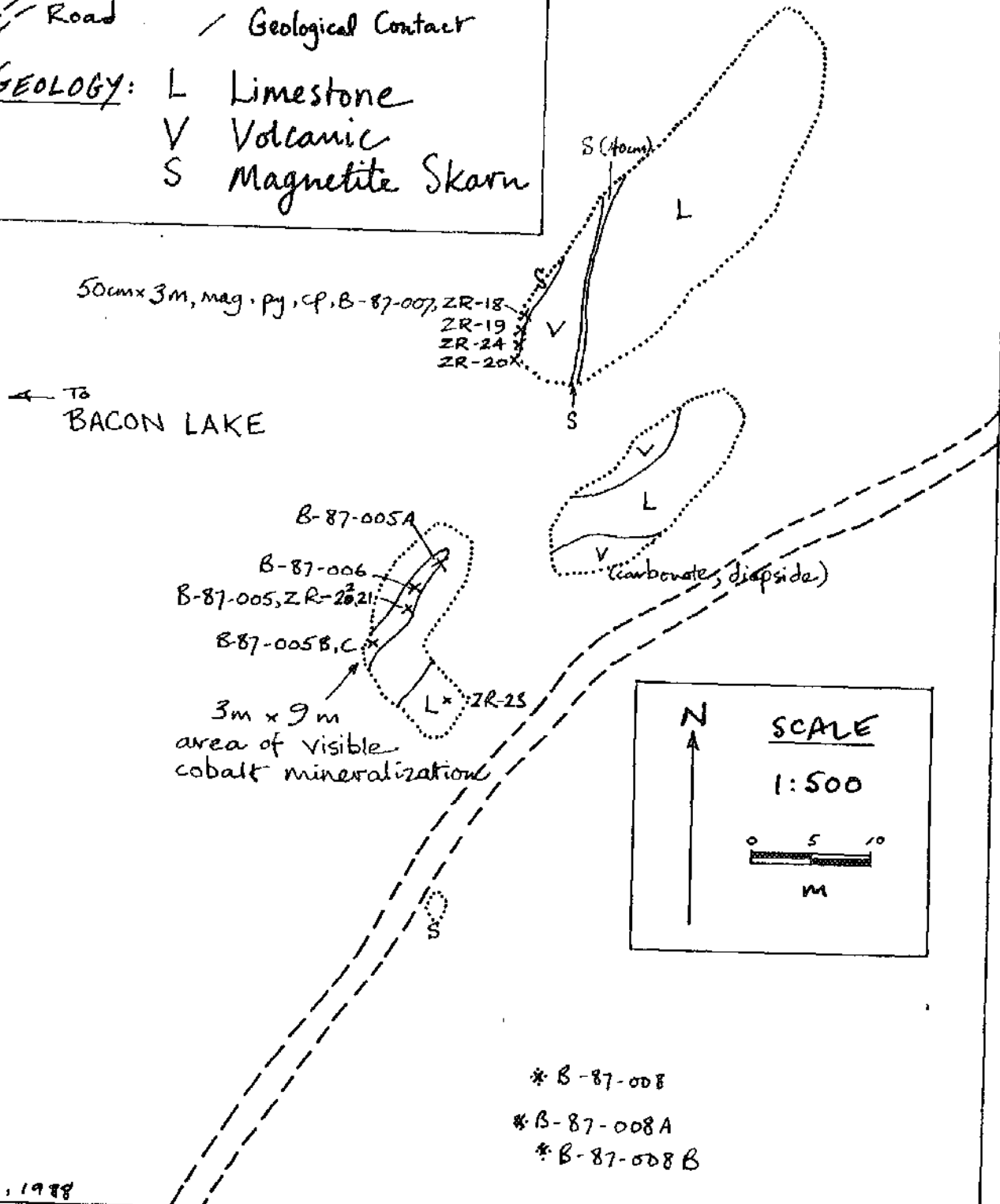
FIG. 5

DETAIL LITHOGEOCHEMICAL
SAMPLE LOCATIONS

○ Outcrop × Sample Location

== Road / Geological Contact

GEOLOGY: L Limestone
V Volcanic
S Magnetite Skarn



May 1, 1988

CONCLUSION

Gold grades of .67 and .45 oz/ton gold are associated with cobaltiferous magnetite skarn. The mineralization is an easy target for geological (intrusive contact), geophysical (magnetic) and geochemical (arsenic in soil) surveys.

REFERENCES


Muller, J.E. G.S.C. Map 2-1965, Comox Lake Area.

Open Files Selected company reports, B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Division, Open Files 92F.

AUTHOR'S STATEMENT OF QUALIFICATIONS

I, Douglas J. Brownlee, do hereby certify that:

1. I live at 101 - 2615 Lonsdale Avenue, North Vancouver, B.C.
2. I hold a B.Sc. (Spec. Geology) 1980 from the University of Alberta, Edmonton, Alberta.
3. I have practised my profession as a geologist since 1980.
4. I conducted the work outlined in this report from November 20 to November 22, 1987.



Douglas J. Brownlee
Geologist

APPENDIX I

LITHOGEOCHEMICAL RESULTS

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

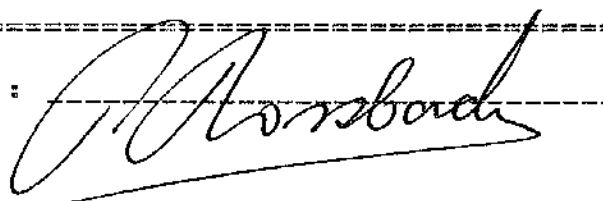
TO : GUERRA EXPLORATIONS LTD.,
701-1330 NORWOOD ST.,
VANCOUVER, B.C.

CERTIFICATE#: 87834
INVOICE#: 80259
DATE ENTERED: 87-12-01
FILE NAME: GUE87834
PAGE # : 1

PROJECT:
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPM Cu	PPM Co	% Fe	PPM Ag	PPB Au
A	B 87-005	20	6000	>10.0	0.8	12400
A	B 87-005A	10	620	>10.0	0.4	2020
A	B 87-005B	8	34	>10.0	0.2	120
A	B 87-005C	4	20	>10.0	0.2	20
A	B 87-007	4500	30	>10.0	6.2	30
A	B 87-008	122	36		0.6	5
A	B 87-008A	40	54	>10.0	0.2	130
A	B 87-008B	52	14		1.0	5

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

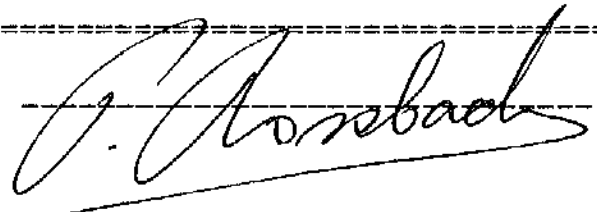
TO : GUERRA EXPLORATIONS LTD.,
701-1330 HARWOOD ST.,
VANCOUVER, B.C.

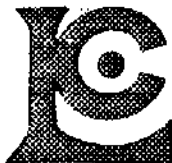
CERTIFICATE#: 87B34
INVOICE#: 80259
DATE ENTERED: 87-12-01
FILE NAME: GUE87834
PAGE # : 1

PROJECT:
TYPE OF ANALYSIS: ASSAY

PRE FIX	SAMPLE NAME	% Fe
A	B B7-005	36.60
A	B B7-005A	33.90

CERTIFIED BY :





Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

ROSSBACHER LABORATORY LIMITED

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C.
V5B 3N1

A8727824

Comments:

CERTIFICATE A8727824

ROSSBACHER LABORATORY LIMITED

PROJECT : GUERRA

P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.

This report was printed on 17-DEC-87.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	2	Received sample as pulp

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
396	2	Au oz/T: 1/2 assay ton	FA-GRAVIMETRIC	0.003	20.000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

ROSSBACHER LABORATORY LIMITED

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C.
V5B 3N1

Project : GUERRA

Comments :

Page No. 1
Tot. Pages 1
Date : 17-DEC-87
Invoice # : I-8727824
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8727824

SAMPLE DESCRIPTION	PREP CODE	Au FA oz/T									
B87-005 B87-005 A	214 214	-- --	0.456 0.062								

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

W. Santolucchi

RECEIVED
SEP 17 1987
 ANALYTICAL LABORATORIES

Bacon + Julia
 cc: Zlata

ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-NH4OH-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NA FE CA P LA CR HG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Rock Chips AU ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEPT 07 1987 DATE REPORT MAILED: *Sept 16/87* ASSAYER: *D. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

MINEQUEST EXPLORATION PROJECT-GPE File # 87-3970

BACON

erythrite

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BT	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU	HG
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM
2R-14	1	32	25	80	.2	1	32	1011	54.78	36	5	ND	9	2	2	2	2	1	.13	.002	2	15	.05	5	.01	9	.34	.01	.03	1	1	30
2R-15	1	49	21	206	.2	11	29	1375	53.13	15	5	ND	9	3	2	3	7	1	.15	.001	2	15	.08	8	.01	2	.44	.01	.04	1	8	40
2R-16	1	71	25	80	.1	17	26	1009	54.91	29	5	ND	8	4	2	2	2	1	.62	.012	2	17	.11	7	.01	2	.55	.01	.04	1	1	30
2R-17	1	42	22	77	.1	3	24	788	48.12	13	5	ND	6	3	2	3	11	1	.18	.003	2	12	.06	6	.01	22	.37	.01	.03	1	33	5
2R-18	4	945	15	58	5.2	14	67	1185	38.09	227	5	ND	6	2	2	2	23	1	5.70	.027	2	10	.06	9	.03	2	.48	.01	.03	1	68	5
2R-19	1	37	21	54	.1	2	27	1012	51.35	42	5	ND	9	10	2	4	3	1	1.28	.016	2	15	.10	6	.01	3	.46	.01	.02	1	2	10
2R-20	1	48	9	26	.1	1	6	811	2.43	7	5	ND	1	44	1	2	2	9	2.18	.018	3	2	.30	43	.08	2	.93	.02	.16	1	1	5
2R-21	1	20	10	34	.4	12	2820	2353	24.85	4761	5	6	1	6	1	2	75	12	7.42	.023	2	1	.05	2	.01	11	.17	.01	.02	1	10640	5
2R-22	1	38	21	47	1.4	5	229	886	49.63	314	5	ND	7	9	1	3	4	1	.99	.003	2	14	.08	9	.01	17	.37	.02	.03	1	505	5
2R-23	1	35	11	47	.2	5	61	1562	41.92	90	5	ND	7	10	1	2	2	1	1.37	.068	2	11	.12	14	.01	2	.33	.02	.04	1	1260	5
2R-24	1	8	10	16	.3	4	9	314	2.10	12	5	ND	5	44	1	2	2	31	1.66	.053	3	2	.37	21	.13	2	1.25	.13	.03	1	13	5

APPENDIX II

STATEMENT OF COSTS

STATEMENT OF COSTS

Personnel Mobilization and Fieldwork

D.J. Brownlee, Geologist November 18-19, 1987	2 days @ \$200/day	\$ 400.00
M. Sawiuk, Geologist November 19, 1987	1 day @ \$200/day	200.00

Field Expenses

Ferry	1 vehicle, 2 people 2 trips @ \$25.00	50.00
Accommodations	2 nights @ \$41.04	82.08
Meals	3 man-days @ \$35.00	105.00
Vehicle Rental	1½ days @ \$30/day	45.00
Fuel		36.00

<u>Analytical Costs</u>	8 samples	113.60
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Report

Preparation and typing		<u>175.00</u>
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GRAND TOTAL \$1,206.68
