

R I S E   R E S O U R C E S   I N C.

REPORT ON THE SIL 2 CLAIM, POETT HEIGHTS,  
ALBERNI MINING DIVISION  
BRITISH COLUMBIA  
NTS 92 C/15W

FILMED

BY

R.A. GONZALEZ, M.Sc., F.G.A.C., P.ENG.

MAY 25, 1986

CLAIM NAME      RECORD NO.      ANNIVERSARY

SIL 2                      970                      JULY 17

LOCATION:                      48°51.4' ~~30~~ N. LATITUDE-124°59.5' ~~30~~ W. LONGITUDE

OWNER:                      RISE RESOURCES INC.

OPERATOR:                      ~~MERCEDES MANAGEMENT LTD.~~

CONSULTANT:                      ARCHEAN ENGINEERING LIMITED.

PROJECT GEOLOGIST: PERRY GRUNENBERG AND LINDA DANDY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

MINISTRY OF ENERGY, MINES  
AND PETROLEUM RESOURCES  
Rec'd JUL 2 1986  
SUBJECT \_\_\_\_\_  
FILE \_\_\_\_\_  
VANCOUVER, B.C.

1,964

REPORT ON THE SIL 2 CLAIM, POETT HEIGHTS,  
ALBERNI MINING DIVISION  
BRITISH COLUMBIA  
NTS 92 C/15W

**SUMMARY**

Located at the crest of Poett Heights in the Somerset Range on Vancouver Island; the **SIL 2 Mineral Claim** represents a copper gold silver prospect on the remote west coast of the Island.

The property is within a host rock of Bonanza Group volcanics which range in composition from andesitic and amygdaloidal andesitic flows to massive rhyolites. Older sedimentary and younger batholithic intrusive rocks are also exposed in the general area.

No economic mineralization was noted within the claim boundaries nor was any significant metal concentration detected in the soil, silt, or rock chip sampling programme. There was however, above background levels for gold (20-95 ppb) along one line underlain with felsic volcanics.

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## 1.0 INTRODUCTION

This report summarizes an exploration programme conducted on the **SIL 2 CLAIM** which covers an area of approximately 300 ha located 1 km west of Fredrick Lake on the Port Alberni to Bamfield Road (Figure 1). The village of Ucluelet is 40 km west across Bartkley Sound and Port Alberni is 72 km by road to the north-northeast.

Bedrock in the area consists mainly of Triassic to Jurassic age Bonanza Group volcanics. Upper Triassic Quatsino Formation limestones and batholithic intrusive rocks of Late Mesozoic age are reported in the immediate area but were not found to crop out on the claim block. Rocks of these ages and similar types underlie most of the northern, central, and western parts of Vancouver Island, and bands of the volcanic and sedimentary rocks have been traced eastward as far as Cowichan Lake (Fyles, 1955, pp. 19-25). The rocks are described at some length from the Zeballos-Nimphishe area (Hoadley, 1953), where the volcanic-sedimentary sequence was divided into the Karmutsen Group at the base, the Quatsino Formation in the middle, and the Bonanza Group at the top.

The assemblage of Lower Mesozoic rocks on Vancouver Island is of economic importance for its contained deposits of magnetite and copper minerals. To the end of 1975, a total of 30,780,000 tons of iron concentrates and more than 63 million pounds of copper had been produced from deposits of this rock assemblage (although not exclusively produced from mines on Vancouver Island). Copper deposits also occur in older and younger rocks, but the magnetite deposits of Vancouver Island are almost all associated with the Quatsino Formation and with intrusions of intermediate composition (Eastwood, 1965, pp. 130-131), which are of Jurassic age where dated.

### 1.1 LOCATION, ACCESS, AND TOPOGRAPHY

The **SIL 2 MINERAL CLAIM** is located on the west side of Vancouver Island (Figure 1) approximately 72 road km south from Port Alberni. The claim lies between the South Sarita River drainage and the Fredrick Lake drainage basin. Fredrick Lake is 1 km west of the claim.

Terrestrial coordinates for the centre of the claim is as follows:

48° 51' 30" North Latitude  
124° 59' 30" West Longitude

Access to the property is currently by road from Port Alberni, the principal supply centre for the south-central portion of the Island. The total road distance from Port Alberni to the **SIL 2 CLAIM** is approximately 72 km; the road is un-paved from Port Alberni to

Bamfield which is on Trevor Channel in Barkley Sound. The claim can be reached by following an old un-used logging road (MacMillan Bloedel No. 121) which branches from the main logging haulage road between Franklin Camp and Sarita. This road, which is passable only by 4-wheel drive vehicle comes to within 1 km of the northeast corner of the claim.

The country is mountainous and extremely rugged. The claim is located at the crest of Poett Heights in the Somerset Range. Elevations, within the claim, ranges from 90 metres (300 feet) in the northwest corner to over 800 metres (2,600 feet) on Poett Heights (Figure 2). Rock exposures are plentiful and are characterized by their cliff forming nature. In some areas vertical cliffs up to 30 m high are encountered making travelling, except along carefully chosen routes, very difficult.

## 1.2 PHYSIOGRAPHY AND CLIMATE

The area lies within the major physiographic subdivision, distinguished by Holland (1964) and named the Outer Mountain Area. The Outer Mountain Area consists of the Vancouver Island Mountains which is divided from east to west into five sub-divisions: the Beaufort Range; widening northward in Forbidden Plateau; the Alberni Basin; the Vancouver Island Ranges; and the Estevan Coastal Plain along the west coast. The **SIL CLAIM** lies entirely within the Vancouver Island Ranges.

At the maximum of the last glacial period the Island was nearly fully covered by ice. The present shape of the Island's mountains, ice-worn to about 1,700 m (5,600 feet), indicates that only peaks above that level projected above the ice as nunataks. At that stage the ice was probably continuous with the mainland cordilleran ice cap, but in the initial and final stages of glaciation a separate ice cap existed in the highest regions of the island and valley glaciers issued from it carving many U-shaped valleys.

The climate at the north end of Vancouver Island can be considered mild, wet, and stormy. The area is known for its high annual precipitation, which falls mostly as rain and mostly in the winter months. In the summer months, the periods of rain are shorter and less frequent than in the winter. Records of precipitation show that the total varies widely from year to year but exceeds 5,000 mm (200 inches) in most years. Off shore gales may be expected at any season and are common in winter.

Snow is ephemeral at sea-level and seldoms remains more than a few days below 300 m (1,000 feet) elevation. Freezing temperatures are common at the higher elevations but are moderated by the flow of moist Pacific air. On north facing slopes, above 1500 m (4,900 feet), snow may be present all year.

The vegetation is correspondingly prolific. Where not cut over, most of the area is thickly timbered with large Douglas fir, western hemlock, and red cedar. Locally the timber is scrubby, as in swampy areas and on some large outcrop areas of Bonanza Group volcanic rocks. In these areas, yellow cypress and stunted pine are the dominant species. In old logged areas the underbrush is exceedingly tangled and travel is slow. The more profuse kinds of underbrush includes salal, salmonberry, blueberry, Devil's club, slide alder, and red and purple huckleberry. Alder infests old logging-roads, and it is the main deciduous species and is most abundant, along with Devil's club, in moist sites, in areas of second growth, and along stream courses. Deadfall and underbrush are thickest on north-facing slopes, particularly over limestone areas, and thinnest on south-facing slopes.

Only a very small portion of the **SIL 2 CLAIM** has been logged while the balance of the area is covered with virgin timber.

### 1.3 MINERAL CLAIMS

The **SIL 2 CLAIM** (Figure 2) is comprised of one Modified Grid Claim consisting of 12 units and covering an area of approximately 300 ha. The current expiry date is July 17, 1986, as shown in the records at the Mining Recorder's Office in Vancouver, B.C. During this survey, no claim posts or any evidence or sign of claim boundaries were noted.

### 1.4 HISTORY

Magnetite in skarn zones has been known in the area and in other portions of the Island since the turn of the century. Most of these zones were not of sufficient interest to warrant mining until about the middle of this century. In subsequent years, prospecting has been carried out for copper, molybdenum, silver, and gold.

During 1979 and 1980, Nomad Energy & Resources Ltd. of Vancouver held the option rights to the **SIL 2 CLAIM**. At that time the **SIL CLAIM** was part of a much larger group. Nomad did considerable exploration and development including geological mapping, linecutting, ground magnetometer surveying, geochemical surveying, 646 m of percussion drilling and 288 m of diamond drilling. Except for the geological mapping, most of the work was done immediately north of the **SIL CLAIM**. From the work, Nomad reported gold values in percussion holes near their north boundary and good gold and silver values within 1.5 km of the north boundary of the **SIL 2 CLAIM**. They also report the the area contained pyrrhotite, magnetite, pyrite, sphalerite, galena, and chalcopryite in skarn pods and lenses formed by the intrusion of Bonanza felsic volcanic rocks into Quatsino Limestone, and in shear zones within silicified limestone.

To the south, the **WET CLAIMS** (held by Amax of Canada Ltd.) are reported to have a good molybdenum showing which was drilled by Bethlehem Copper Corp. in 1980. It appears that neither Nomad Mines nor Amax have worked their ground since 1980.

**RISE RESOURCES INC.**

**SIL 2 CLAIM**

**ALBERNI M.D.-B.C. NTS 92C/14 & 15**

**LOCATION MAP**

**DATE: MAY 1986**

**BY: R.G./r.w.r.**

**FIGURE: I**



**PROPERTY**



## 2.0 GEOLOGY

### 2.1 REGIONAL AND LOCAL GEOLOGY

Most of Vancouver Island is underlain by rocks of the Insular Belt, of which the Island makes up the greater portion, in the Canadian Cordillera. In recent years the lower part of the Insular Belt stratigraphy, comprising at least the Paleozoic Sicker Group and the Triassic to Lower Jurassic Vancouver Group, has been recognized as part of an allochthonous terrane derived from more southern latitudes (Jones, et al 1977, Muller 1981, and Jones, et al 1982). This major allochthonous block has been named Wrangellia by Jones et al (1977). Wrangellia, the foundation of Vancouver Island, apparently docked with the North American plate during the Lower Jurassic, coincident with the deposition of the volcanic Bonanza Group and contemporaneous Island Intrusions. Terrigenous sediments unconformably overlie the Bonanza Group.

The area around the **SIL 2 CLAIM** appears to be underlain by rocks of the Vancouver Group, which, as defined by Dawson (1887), include: the Karmutsen Formation, the Quatsino Formation, and the Bonanza Volcanics. Bancroft (1913) and Crickmay (1928) described two additional formations, Parson Bay and Harbledown, as lying between the Quatsino Formation and the Bonanza Volcanics. Gunning (1932) has correlated the volcanic and sedimentary rocks in the area with Mesozoic volcanics and sediments of the Vancouver Group in the Nimpkish Lake region. He has also correlated the intrusives with the Coast Intrusives of probable Late Jurassic age. These intrusives include, from oldest to youngest, gabbro and hornblende diorite, granodiorite, quartz diorite, and several varieties of dykes. The Vancouver Group is intruded by rocks of Jurassic and Tertiary age and disconformably overlain by Cretaceous and younger sedimentary rocks. The region is further characterized by large-scale block faulting with thousands of metres of displacement. These are often offset by younger strike slip faults with displacements on the order of 1000 metres.

The **SIL 2 CLAIM** is underlain by a complex sequence of dark green volcanics ranging from andesites to rhyolites and belonging to the Upper Triassic to Lower Jurassic Bonanza Formation. Rocks of this group underlie much of Poett Heights and consist of light coloured rhyolite, dacite, tuffs, green to purplish andesites, and feldspar porphyry, dark basalt, dark green diabase pods and numerous dykes. Many of these rocks are altered to albite, chlorite, actinolite, and epidote. The rhyolites, dacites, and tuffs are intensely shattered and have fractures filled with calcite, epidote, and pyrite. Pyrite is commonly developed along shear zones and forms lenses 2 to 3 m wide within the volcanic host rocks. Composition layering is reported to have been observed (Campbell, 1981) in a few places and appears to dip at low to moderate angles to the south. Generally the Bonanza Group overlies the Quatsino Limestone but rafts of calcareous rocks and

skarn occur within the Bonanza Group rocks. Accessory pyrite and pyrrhotite are prevalent throughout this rock unit.

Intruding the sequence and exposed as small plugs on the north, east, and south sides of the claims are post-Triassic intrusives that include quartz diorite and microdiorite intrusives. These plugs are part of the Island Intrusives representing a belt of intermediate intrusives, some hundreds of square kilometres in size and common throughout Vancouver Island.

Massive limestone of the Quatsino Formation underlies the lava of the Bonanza Group, and although not found to crop out within the claim boundary, it has been mapped in the surrounding area. On weathered surfaces the limestone is grey, but on freshly broken surfaces it ranges from white to cream. Most of the skarn deposits are genetically related to this unit.

### 3.0 WORK PROGRAMME

The purpose of the work programme was to initiate the recommended programme as outlined in the Engineer's Report (Ashton, 1983). The original recommended programme was to be in two phases. Phase I would consist of establishing a control grid along which soil sampling, geological mapping, and geophysical surveying could be conducted. If the initial phase gave encouraging results more detailed work would be warranted and Phase II would follow.

Because the area is mountainous and extremely rugged with numerous cliffs and steep hillsides, it was impossible to cost effectively establish a system of grid lines. In fact the area is so rugged that travel is possible only by carefully chosen trails. Because of the terrain problems, it was decided that a grid would be established were possible, and compass and chain lines would be used in areas too rugged to safely traverse.

Several lines were established in areas where topographic references could be used to clearly identify the position of the lines (Figure 4). Two lines were located as close as possible to the northwest corner of the claim. One line was run along the north boundary and the other lines along the west boundary. Approximately 250 m south of the north boundary an east-west line perpendicular to the west boundary was generated to insure penetration into the claim. Along the east side of the claim, a line extending across the claim block was run along a ridge top. These lines would give a representation of the mineral potential on the eastern and western portions of the claim. Because of numerous high cliffs and bluffs, portions of the lines are curved or discontinuous.

## 4.0 GEOCHEMISTRY

### 4.1 SAMPLING AND SAMPLE TREATMENT

A total of 73 soil samples were collected from control lines established within the claim boundaries (Figure 3). In addition, 15 rock, 4 silt, and 3 HMC samples were collected in or around the claim (Figures 2 and 4). Samples were collected to test the areas economic potential and to determine pathfinder elements. Sample collection was part of the general exploration and geologic mapping programme. Soil samples were collected at 25 to 50 m intervals along the lines. The programme was designed to collect samples, whenever possible, from the B soil horizon. This soil horizon was generally found at a depth of not less than 20 cm and was usually covered by a layer of poorly decomposed forest litter or peat. Samples were collected using a prospector's mattock and placed into Kraft wet-strength paper envelopes. After air drying for several days the samples were boxed and shipped to Chemex Laboratories Ltd. in North Vancouver, B.C.

At Chemex the soil and silt samples were dried and screened to minus 80 mesh. A 0.5 gm sample, of the minus 80 fraction, was digested with 3 Ml 3-1-2 HCl-HNO<sub>3</sub>-H<sub>2</sub>O at 95° C for one hour and then deluted to 10 Ml with water. This leach is partial for Al, Ba, Be, Ca, Cr, Ga, La, Mg, Mn, Na, Sb, Sr, Ti, Tl, V, and W. Rock samples were crushed and pulverized and treated in the same fashion as the soils. HMC were further concentrated using heavy liquid separation and then digested using the same technique as the soil samples. All soil, silt, and HMC samples were analyzed for 31 elements using the I.C.P. technique. Rock samples were analyzed for 30 elements using the I.C.P. technique; in addition, all rock samples were analyzed for gold, from a 10 gm fraction, by standard atomic absorption after pre-concentration by Fire Assay extraction.

The rock chip sampling programme was designed to determine the background values of different rock types and to aid in the identification of highly altered or silicified rocks. Typically the samples consisted of several golfball-sized representative samples collected from a radius of several metres. Total sample weight varied from sample to sample but probably averaged 3-4 kg each.

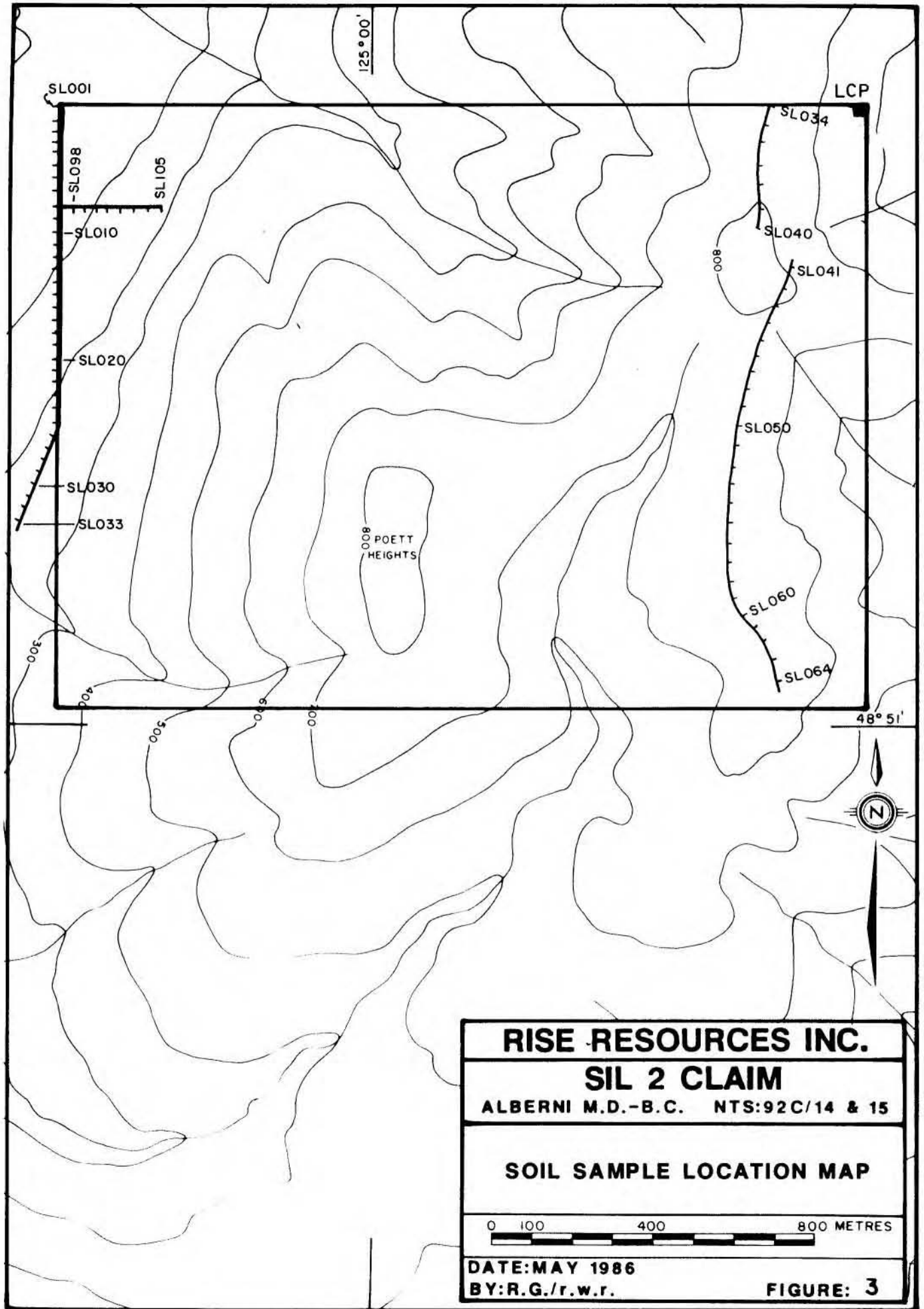
Silt and HMC sampling was designed to identify any metal dispersion in streams draining the claim.

### 4.2 DISCUSSION OF RESULTS

Results for the sampling programme were tabulated for each element and are summarized in Appendix A.

Because of the limited number of samples and the non-reconnaissance

nature of the grid lines, no attempt was made to plot and contour the geochemical results or to do a statistical study of the data. The results of the soil sampling programme suggests that, except for a few erratic samples, the metal content of the soils is very low. Gold was detected in one area where five soil samples ranged from 20 to 95 ppb. The cause of the higher than normal gold is not apparent; however, it should be noted that there was no corresponding higher values for Cu, Pb, Zn, or Ag and Ca and Fe were anomalously low ruling out the possibility of skarn type mineralization.

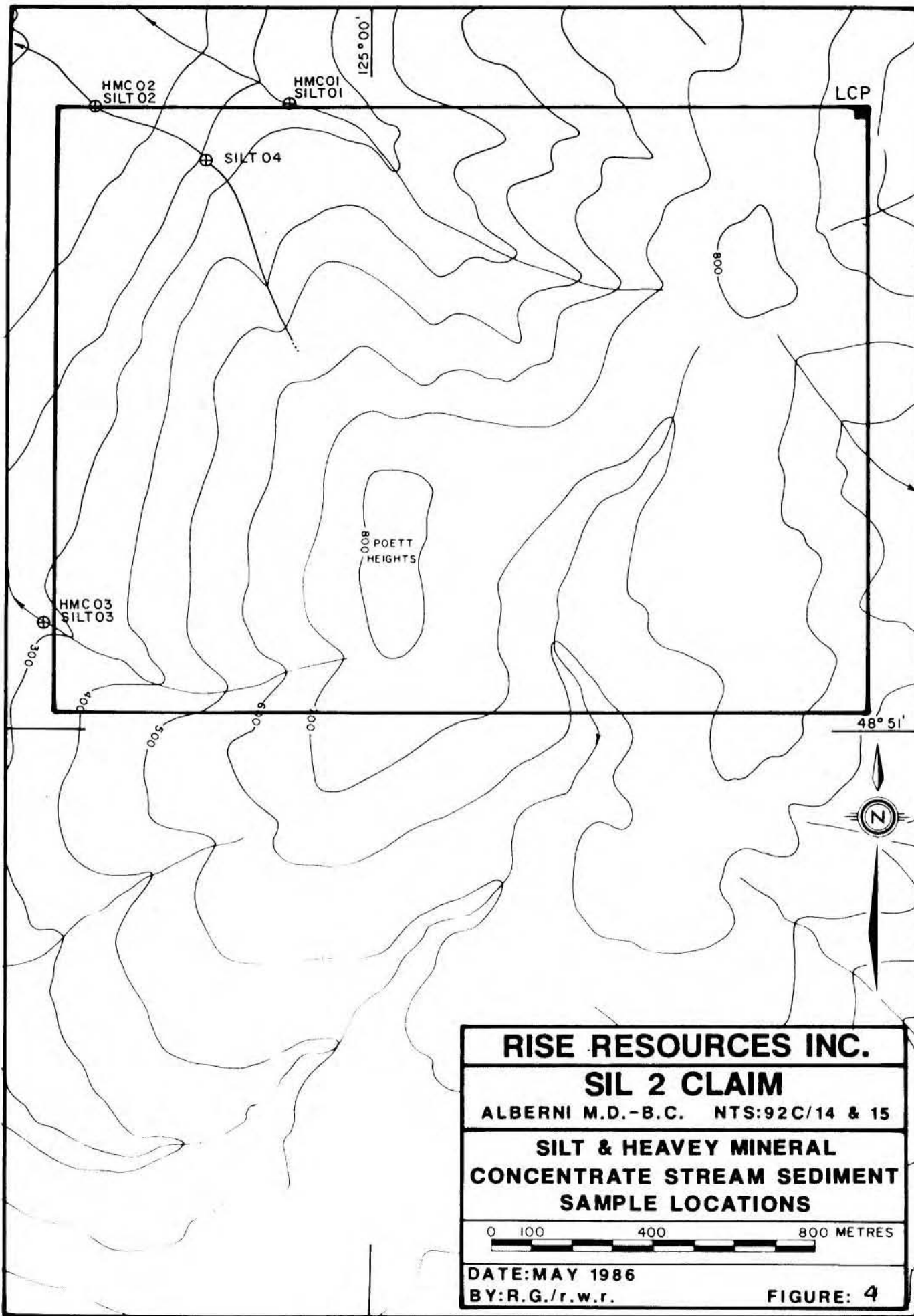


**RISE RESOURCES INC.**  
**SIL 2 CLAIM**  
ALBERNI M.D.-B.C. NTS:92C/14 & 15

**SOIL SAMPLE LOCATION MAP**

0 100 400 800 METRES

DATE: MAY 1986  
BY: R.G./r.w.r. **FIGURE: 3**



## 5.0 GEOPHYSICS

### 5.1 MAGNETOMETER SURVEY

A Geometrics Model G-816 Proton Precession Magnetometer was utilized on this programme. The G-816 is designed for precise mapping of very small or large amplitude anomalies and is ideal for the location of skarn-type mineralization.

Since only one magnetometer was used, a base station was established and re-occupied on an hourly basis to monitor diurnal variations of the earth's total magnetic field and to record the amplitude of any magnetic storms. Readings were recorded at 25 m intervals along the grid lines, and all data was corrected for diurnal variations prior to plotting. In addition to the standard plotting of data, a rolling mean profile averaged over five stations was used to help smooth out some of the spikes.

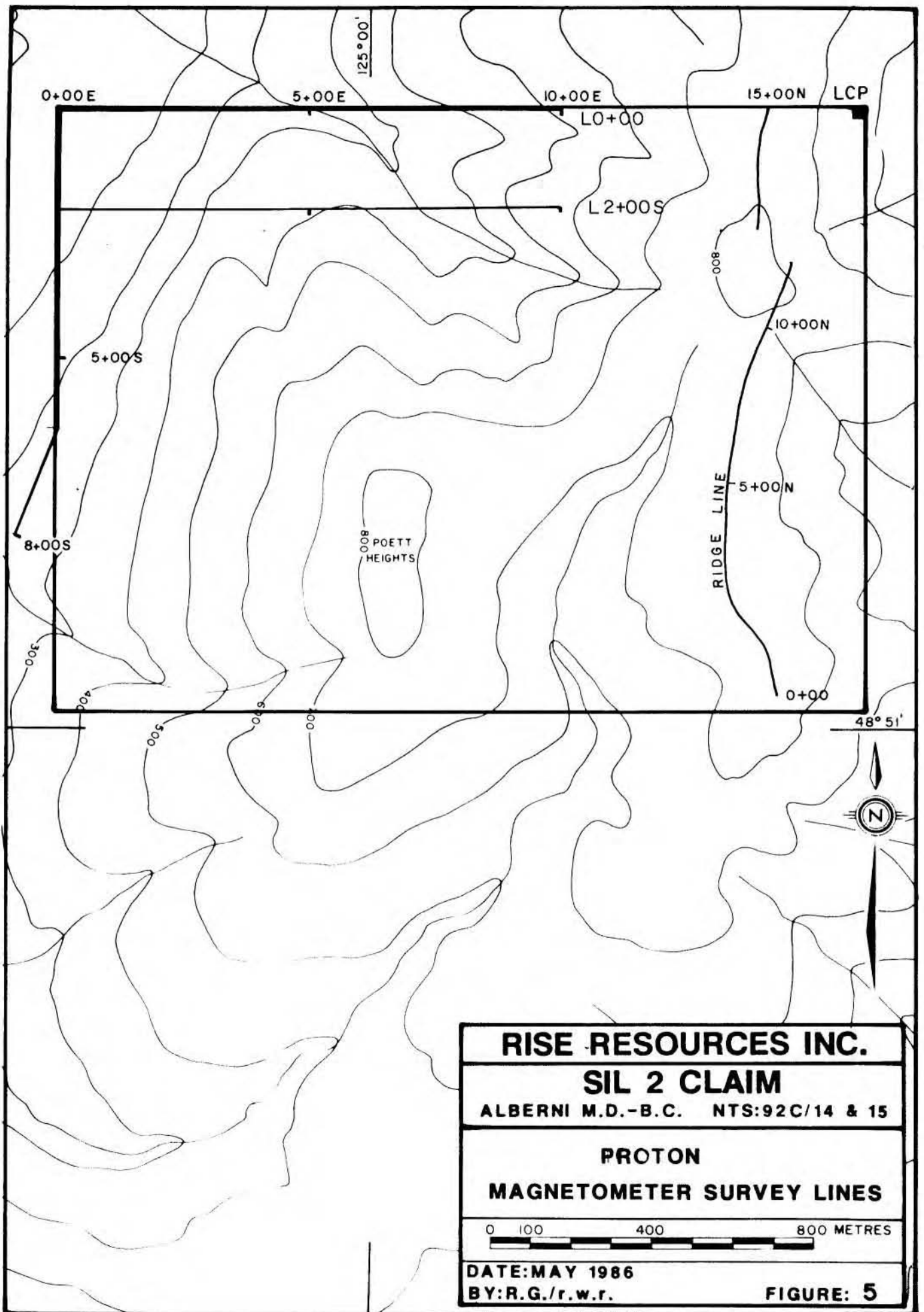
Figure 5 shows the location of the grid lines, and Figures 6, 7, and 8 are profiles of the total data and the rolling mean data.

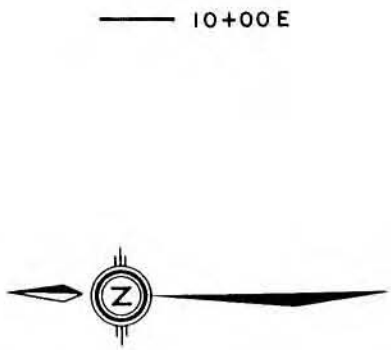
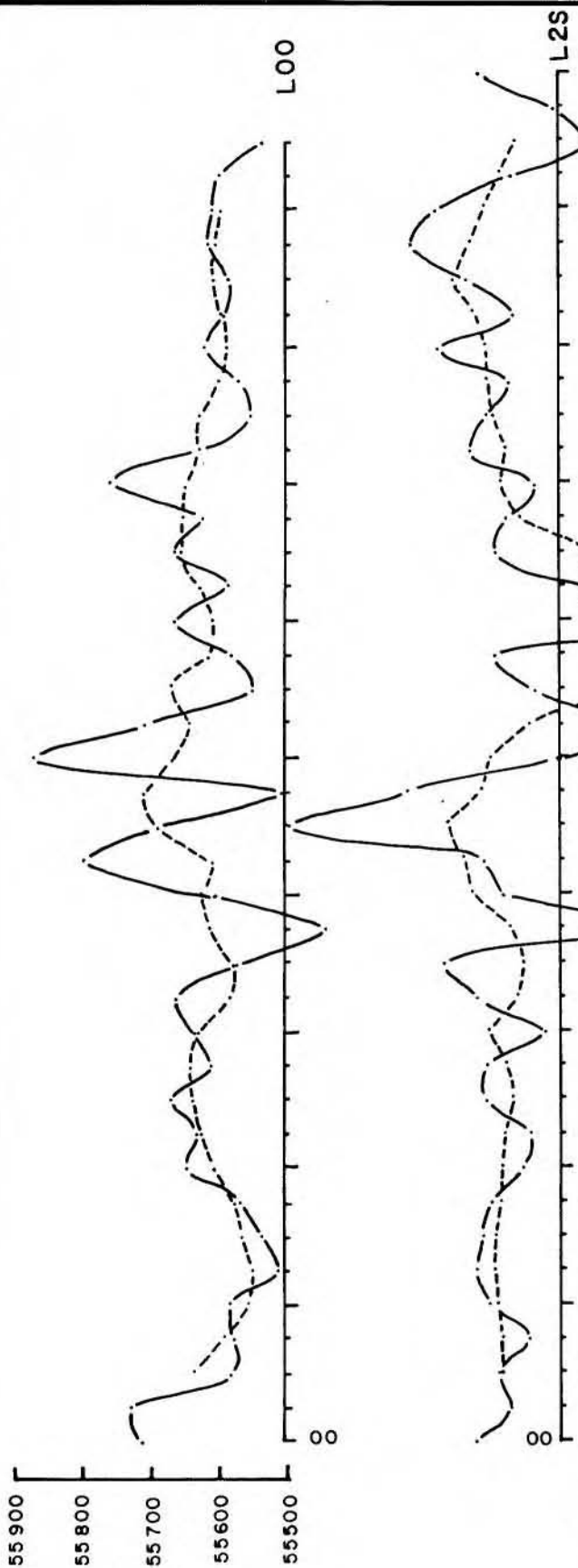
### 5.2 DISCUSSION OF RESULTS

The magnetometer programme was designed to search for the southern continuation of skarn bodies reported on the claims to the north. The survey was also designed to aid in geological mapping, but because of limited coverage, the geological information can only be speculative.

Total magnetic gradient was approximately 1000 gammas, most of which were in spikes or troughs. Smoothing the profiles using the rolling mean technique suggests that the overall trend is due to geological formations. The data can be interpreted as a magnetic response due to southwest, gently-dipping volcanic flows.







— 5+00E

**LEGEND:**

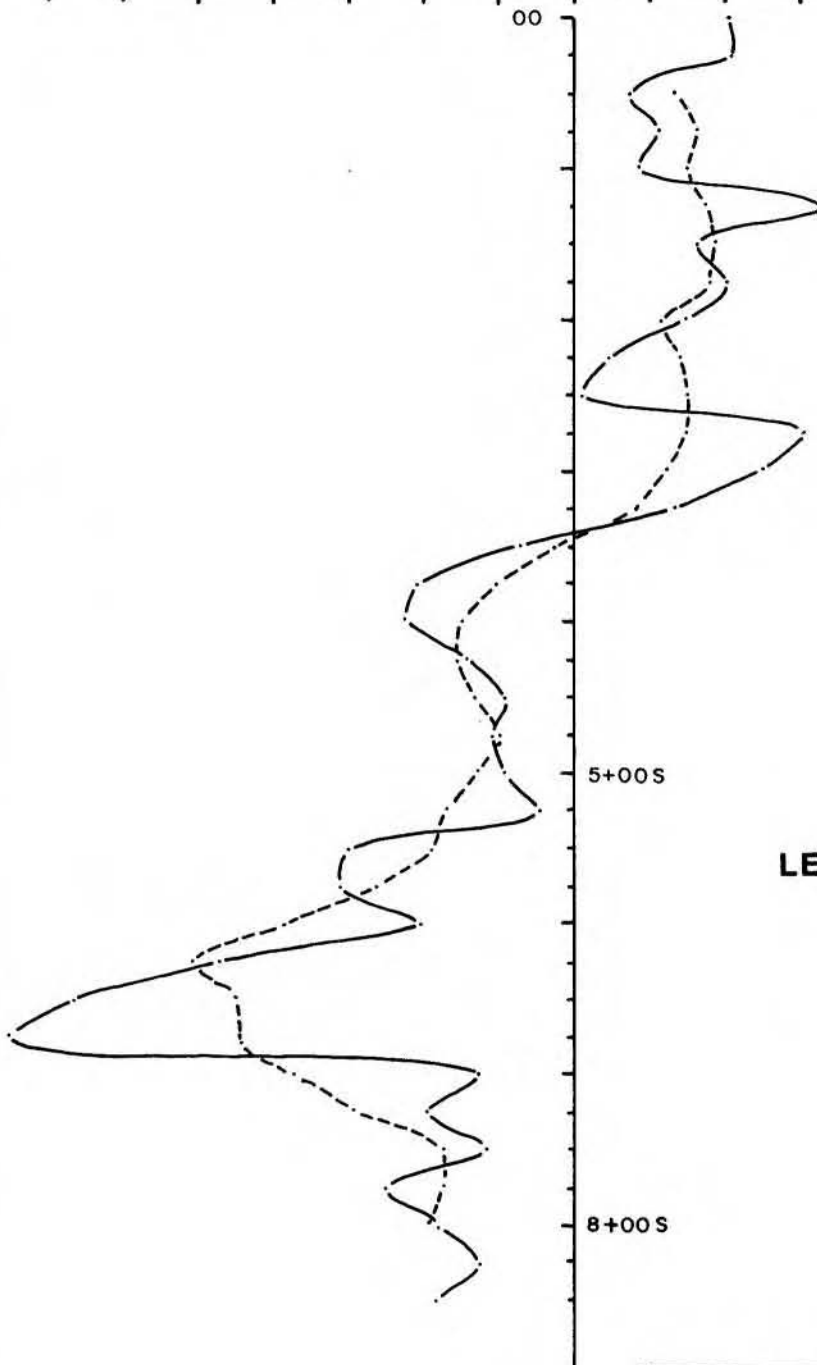
- · — · — · TOTAL FIELD STRENGTH  
MAGNETOMETER PROFILE
- - - - ROLLING MEAN PROFILE  
AVERAGING OVER FIVE  
STATIONS
- INSTRUMENT: GEOMETRICS  
PROTON MAGNETOMETER

55900  
55800  
55700  
55600  
55500  
MAGNETOMETER PROFILE  
SCALE (GAMMAS)

<b>RISE RESOURCES INC.</b>	
<b>SIL 2 CLAIM</b>	
ALBERNI M.D.-B.C. NTS:92C/14 & 15	
<b>PROTON MAGNETOMETER PROFILES</b>	
DATE: MAY 1986	
BY: R.G./r.w.r.	
<b>FIGURE: 6</b>	

MAGNETOMETER PROFILE SCALE (GAMMAS)

54800 54900 55000 55100 55200 55300 55400 55500 55600 55700 55800 55900



**LEGEND:**

- TOTAL FIELD STRENGTH  
MAGNETOMETER PROFILE
- - - ROLLING MEAN PROFILE  
AVERAGING OVER FIVE  
STATIONS
  
- INSTRUMENT: GEOMETRICS  
PROTON MAGNETOMETER

<b>RISE RESOURCES INC.</b>	
<b>SIL 2 CLAIM</b>	
ALBERNI M.D.-B.C. NTS:92C/14 & 15	
<b>PROTON MAGNETOMETER PROFILES (BASELINE)</b>	
0 100 200 300 METRES	
DATE: MAY 1986	FIGURE: 7
BY: R.G./r.w.r.	

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Because of limited access, only a small portion of the claim was assessed by this survey. However, no economic mineralization was seen on that portion of the claim visited. In addition, no anomalous metal values were detected in any of the silt and HMC samples collected from streams draining the western half of the claim. Soil sample results generally showed only background values for all elements with the exception of four samples which returned gold values of just above background. These four samples were collected near the southeast corner of the claim in an area underlain by silicified volcanics.

The results of this programme failed to locate any areas of mineralization. Because of the lack of favourable results, no further work is recommended for this property.

Respectfully submitted,



R.A. Gonzalez, M.Sc., P.Eng., F.G.A.C.  
**ARCHEAN ENGINEERING LIMITED**



## 7.0 REFERENCES

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- Minister of Mines and Petroleum Resources; Annual Reports for 1974 and 1975.

## 8.0 CERTIFICATE

I, R. A. Gonzalez, do hereby certify that:

1. I am a geologist and reside at 2784 Lawson Ave., West Vancouver, British Columbia.
2. I am a graduate of The University of New Mexico, U.S.A.; with a B.Sc. in Geology (1965) and a M.Sc. in Geology (1968).
3. I have practiced my profession since 1965 in Canada and abroad as indicated on the following page.
4. I am a Fellow in the Geological Association of Canada, Registration number 4523.
5. I am a registered member of the Association of Professional Engineers of the Province of Manitoba, Cert. No. 3970.
6. I have based this report on work done, under my supervision, on and around the property during December 1985; on information obtained from the Geological Survey of Canada; and engineering reports and other support documents provided by Rise Resources Inc. and Archean Engineering Limited.
7. I have no interest, nor do I expect to receive any interest, either directly or indirectly in the securities or properties of the present holder of these claims.
8. I have no past or present, direct or indirect interest in these claims, or in any other property within the Nanaimo or Alberni Mining Divisions.

Dated at Vancouver, British Columbia, this 28th day of May, 1986.

   
R. A. Gonzalez M.Sc., P. Eng., F.G.A.C.,

**APPENDIX A - GEOCHEMICAL SAMPLE RESULTS**



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ASSAY

TO : RISE RESOURCES INC.

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

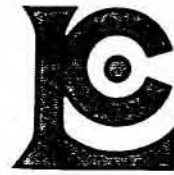
\*\* CERT. # : A8612388-001-A  
INVOICE # : I8612388  
DATE : 6-MAY-86  
P.O. # : NONE  
SIL

ATTN: RALPH GONZLES

Sample description	Prep code	Au FA oz/T						
R-01	207	<0.002	--	--	--	--	--	--
R-02	207	<0.002	--	--	--	--	--	--
R-03	207	<0.002	--	--	--	--	--	--
R-04	207	<0.002	--	--	--	--	--	--
R-05	207	<0.002	--	--	--	--	--	--
R-06	207	<0.002	--	--	--	--	--	--
R-07	207	<0.002	--	--	--	--	--	--
R-08	207	<0.002	--	--	--	--	--	--
R-09	207	<0.002	--	--	--	--	--	--
R-10	207	<0.002	--	--	--	--	--	--
R-11	207	<0.002	--	--	--	--	--	--
R-12	207	<0.002	--	--	--	--	--	--
R-13	207	<0.002	--	--	--	--	--	--
R-14	207	<0.002	--	--	--	--	--	--
R-15	207	<0.002	--	--	--	--	--	--

*W. Alex Brannin*  
.....  
Registered Assayer, Province of British Columbia





# Chemex Labs Ltd.

Analytical Chemists    Geochemists    Registered Assayers

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### CERTIFICATE OF ANALYSIS

TO: WISE RESOURCES INC.

1900 - 940 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6E 2W2

AA CERT. # : ABG12386-002-A  
INVOICE # : 10612386  
DATE : 17-MAY-86  
P.D. # : NONE  
SIL

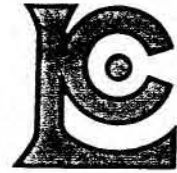
Semi quantitative analysis of elements Al, Si, Fe, Ga, La, Mg, K, Na, Sr, Ti, U and Pb. Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many materials, values reported for Al, Si, Fe, Ga, La, Mg, K, Na, Sr, Ti, U and Pb only be considered as semi-quantitative.

COMMENTS:  
ATTN: RALPH GONZALES

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2105940

Sample description	As	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Se	Sr	Ti	Tl	U	V	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SL-041	6.58	0.2	<10	20	<0.5	<2	0.18	<0.5	6	7	42	7.49	10	0.02	<10	0.84	354	4	0.01	4	2360	2	<10	19	0.14	<10	<10	128	<10	90	--	
SL-042	3.45	0.4	<10	30	<0.5	<2	0.31	<0.5	5	7	40	7.67	10	0.02	<10	0.52	297	7	0.01	2	1020	40	<10	30	0.21	<10	<10	106	<10	90	--	
SL-043	4.32	0.2	10	40	<0.5	<2	0.52	<0.5	8	42	52	5.87	10	0.02	10	0.53	553	1	0.01	9	870	18	<10	53	0.29	<10	<10	131	<10	30	--	
SL-044	2.34	0.4	10	10	<0.5	<2	0.27	<0.5	4	40	23	8.41	10	<0.01	<10	0.25	278	<1	<0.01	4	770	14	<10	24	0.31	<10	<10	187	<10	60	--	
SL-045	2.91	0.2	10	20	<0.5	<2	0.53	<0.5	8	11	36	5.06	<10	0.03	<10	0.45	699	1	0.01	5	970	8	<10	52	0.18	<10	<10	117	<10	90	--	
SL-046	2.46	0.6	<10	30	<0.5	<2	0.15	<0.5	4	2	28	5.57	<10	0.06	<10	0.75	157	8	0.01	2	1290	6	<10	37	0.14	<10	<10	173	<10	50	--	
SL-047	4.80	0.2	<10	30	<0.5	<2	0.31	<0.5	7	29	48	5.83	<10	0.03	10	0.68	416	14	0.01	10	1030	4	<10	33	0.19	<10	<10	99	<10	70	--	
SL-048	4.13	0.2	<10	50	<0.5	<2	0.18	<0.5	2	<1	17	6.64	10	0.06	10	0.36	412	3	0.01	3	1570	8	<10	17	0.09	<10	<10	45	<10	50	--	
SL-049	2.53	0.2	<10	40	<0.5	<2	0.18	<0.5	4	28	18	5.12	<10	0.04	<10	0.36	664	1	0.01	4	1040	4	<10	27	0.11	<10	<10	92	<10	50	--	
SL-050	4.14	0.2	10	20	<0.5	<2	0.27	<0.5	14	24	40	5.34	<10	0.05	10	0.54	1811	<1	0.01	8	1400	8	<10	29	0.11	<10	<10	92	<10	80	--	
SL-051	3.82	0.2	<10	30	<0.5	<2	0.38	<0.5	7	18	10	4.51	<10	0.01	10	0.30	1646	<1	0.01	6	1350	8	<10	42	0.14	<10	<10	75	<10	50	--	
SL-052	4.29	0.2	<10	30	<0.5	<2	0.32	<0.5	9	26	17	5.61	10	0.02	10	0.36	983	<1	0.01	6	1090	2	<10	37	0.20	<10	<10	111	<10	50	--	
SL-053	4.15	0.2	<10	40	<0.5	<2	0.28	<0.5	9	21	15	4.99	<10	0.03	10	0.37	1844	<1	0.01	5	1830	4	<10	37	0.14	<10	<10	83	<10	60	--	
SL-054	4.57	0.2	10	30	<0.5	<2	0.40	<0.5	13	20	30	5.14	10	0.05	10	0.51	4097	<1	0.01	7	3430	16	<10	50	0.14	<10	<10	94	<10	80	--	
SL-055	3.20	0.4	10	20	<0.5	<2	0.23	<0.5	12	24	37	5.81	<10	0.01	<10	0.37	4105	<1	0.01	7	1440	10	<10	28	0.13	<10	<10	119	<10	70	--	
SL-056	3.11	0.2	<10	20	<0.5	<2	0.27	<0.5	8	40	20	5.22	<10	0.03	<10	0.47	3135	<1	0.01	9	1430	14	<10	27	0.21	<10	<10	128	<10	60	--	
SL-057	0.91	0.4	<10	10	<0.5	<2	0.18	<0.5	2	27	6	3.07	<10	<0.01	<10	0.10	147	<1	0.01	3	260	4	<10	19	0.19	<10	<10	124	<10	20	--	
SL-058	1.63	0.2	10	10	<0.5	<2	0.11	<0.5	4	27	17	5.55	<10	0.01	<10	0.14	206	2	0.01	4	550	10	<10	12	0.15	<10	<10	193	<10	50	--	
SL-059	1.42	0.2	10	40	<0.5	<2	0.07	<0.5	1	8	8	5.20	<10	0.05	<10	0.21	91	1	0.01	2	1320	18	<10	17	0.13	<10	<10	101	<10	40	--	
SL-060	1.51	0.2	10	20	<0.5	<2	0.05	<0.5	6	9	8	4.29	<10	0.04	<10	0.19	493	<1	<0.01	2	1100	8	<10	8	0.02	<10	<10	59	<10	60	--	
SL-061	2.31	0.2	20	30	<0.5	<2	0.22	<0.5	16	19	16	7.81	10	0.06	<10	0.27	5126	1	<0.01	5	2380	16	<10	19	0.07	<10	<10	98	<10	50	--	
SL-062	4.18	0.2	<10	40	<0.5	<2	0.24	<0.5	13	14	32	6.67	<10	0.05	<10	0.38	2168	<1	0.01	7	1300	14	<10	31	0.11	<10	<10	120	<10	80	--	
SL-063	2.70	0.4	10	40	<0.5	<2	0.29	<0.5	15	10	37	6.13	10	0.03	10	0.41	7852	1	0.01	8	2430	12	<10	57	0.16	<10	<10	110	<10	30	--	
SL-064	2.08	0.2	<10	50	<0.5	<2	0.35	<0.5	2	5	11	3.22	<10	0.08	<10	0.15	396	<1	0.01	2	960	4	<10	30	0.20	<10	<10	117	<10	40	--	
SL-098	4.79	0.2	<10	40	<0.5	<2	1.21	<0.5	46	15	76	5.94	<10	0.04	10	1.08	1571	<1	0.01	14	1470	2	<10	209	0.28	<10	<10	151	<10	140	--	
SL-099	4.12	0.2	<10	20	<0.5	<2	0.83	<0.5	40	14	51	6.74	<10	0.02	10	1.13	1458	<1	0.01	13	1870	4	<10	157	0.26	<10	<10	158	<10	110	--	
SL-100	4.55	0.2	<10	30	<0.5	<2	1.98	<0.5	37	21	41	6.49	10	0.02	10	0.99	1221	<1	0.01	14	1210	4	<10	183	0.30	<10	<10	159	<10	120	--	
SL-101	2.06	0.2	<10	20	<0.5	<2	0.43	<0.5	9	9	14	4.43	<10	<0.01	<10	0.56	314	<1	0.02	7	680	32	<10	37	0.35	<10	<10	157	<10	60	--	
SL-102	4.87	0.4	10	30	<0.5	<2	0.70	<0.5	28	28	49	5.57	10	0.03	10	0.89	1247	<1	0.01	15	1650	2	<10	117	0.34	<10	<10	133	<10	120	--	
SL-103	4.54	0.2	<10	20	<0.5	<2	0.67	<0.5	35	15	41	6.93	10	0.02	10	0.79	1386	<1	0.01	11	1890	8	<10	137	0.29	<10	<10	170	<10	100	--	
SL-104	4.75	0.2	<10	20	<0.5	<2	0.26	<0.5	16	1	17	5.89	<10	<0.01	<10	0.51	603	<1	0.01	7	940	<2	<10	54	0.29	<10	<10	168	<10	90	--	
SL-105	4.82	0.2	<10	40	<0.5	<2	0.90	<0.5	32	4	44	6.36	10	0.05	10	1.10	1122	<1	0.01	9	880	<2	<10	155	0.24	<10	<10	150	<10	120	--	
SL-106	4.03	0.2	10	30	<0.5	<2	1.31	<0.5	30	11	95	5.11	10	0.05	10	0.83	890	<1	0.01	7	1120	<2	<10	130	0.31	<10	<10	133	<10	110	--	

Hautsichler



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## GEOLOGICAL BRANCH ASSESSMENT REPORT

### CERTIFICATE OF ANALYSIS

TO: RISE RESOURCES INC.

1901 - 494 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6E 2W2

CERT. # : AB612386-001-A  
INVOICE # : 1E612386  
DATE : 7-MAY-86  
P.O. # : NONE  
SIL

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Digestion is incomplete for many elements. Values reported for Al, Si, Ba, B, Ga, La, Mg, K, Na, Sr, Ti, W should only be considered as semi-quantitative.

# 14.964

COMMENTS:  
ATTN: RALPH GONZALES

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER THRU00400

Sample description	Al %	Al ppm	Si %	Si ppm	Fe %	Fe ppm	Sr %	Sr ppm	K %	K ppm	Ca %	Ca ppm	Na %	Na ppm	Mg %	Mg ppm	Pb ppm	Zn ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Rb ppm	B ppm	Bi ppm	Ag ppm	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti ppm	Tl ppm	U ppm	V ppm	W ppm	Sn ppm				
SL-001	5	5.62	0.4	<10	30	0.5	<2	0.27	<0.5	7	48	34	6.31	<10	<0.01	<10	0.33	338	<1	0.02	8	760	2	<10	37	0.27	<10	<10	106	<10	90	--	--	--	--	--	--	--	--	--	--	
SL-002	5	7.26	0.2	<10	30	0.5	<2	0.78	<0.5	30	37	74	6.55	10	0.02	10	0.93	855	<1	0.01	15	1140	4	<10	135	0.31	<10	<10	134	<10	170	--	--	--	--	--	--	--	--	--	--	
SL-003	5	5.27	0.2	<10	30	0.5	<2	0.35	<0.5	26	36	47	6.25	10	0.03	10	1.02	967	<1	0.02	13	980	4	<10	144	0.34	<10	<10	139	<10	120	--	--	--	--	--	--	--	--	--	--	
SL-004	5	4.84	0.2	<10	40	0.5	<2	1.04	<0.5	26	62	66	5.82	10	0.05	10	1.16	1043	<1	0.02	17	1300	10	<10	128	0.32	<10	<10	125	<10	120	--	--	--	--	--	--	--	--	--	--	
SL-005	5	5.06	0.2	<10	30	0.5	<2	0.76	<0.5	28	42	52	5.65	10	0.04	10	0.32	966	<1	0.02	14	1500	8	<10	108	0.30	<10	<10	127	<10	130	--	--	--	--	--	--	--	--	--	--	
SL-006	5	3.46	0.2	<10	10	<0.5	<2	0.58	<0.5	12	43	20	7.81	20	<0.01	10	0.49	717	<1	0.02	6	1010	4	<10	96	0.46	<10	<10	194	<10	70	--	--	--	--	--	--	--	--	--	--	
SL-007	5	3.10	0.2	10	30	<0.5	<2	1.26	<0.5	36	50	24	5.63	10	0.08	10	1.32	1165	<1	0.05	13	1520	6	<10	134	0.37	<10	<10	166	<10	90	--	--	--	--	--	--	--	--	--	--	
SL-008	5	5.61	0.2	10	40	<0.5	<2	1.63	<0.5	55	25	40	5.85	10	0.06	10	0.96	2165	<1	0.02	13	2080	4	<10	217	0.22	<10	<10	135	<10	100	--	--	--	--	--	--	--	--	--	--	
SL-009	5	4.48	0.2	<10	30	0.5	<2	1.42	<0.5	43	33	16	6.15	10	0.04	10	1.47	1326	<1	0.03	13	1470	6	<10	179	0.27	<10	<10	147	<10	90	--	--	--	--	--	--	--	--	--	--	
SL-010	5	5.05	0.2	<10	30	0.5	<2	1.26	<0.5	44	38	26	7.92	10	0.04	10	0.99	2289	<1	0.02	12	4450	4	<10	189	0.24	<10	<10	166	<10	70	--	--	--	--	--	--	--	--	--	--	
SL-011	5	3.32	0.2	10	20	0.5	<2	1.00	<0.5	23	13	13	5.70	10	0.01	10	0.38	707	<1	0.01	9	1330	2	<10	156	0.30	<10	<10	141	<10	60	--	--	--	--	--	--	--	--	--	--	
SL-012	5	2.42	0.2	10	30	<0.5	<2	0.66	<0.5	18	13	7	5.74	10	0.01	<10	0.71	616	<1	0.02	9	1060	4	<10	89	0.32	<10	<10	149	<10	70	--	--	--	--	--	--	--	--	--	--	
SL-013	5	3.07	0.2	10	30	<0.5	<2	0.97	<0.5	31	15	24	5.89	<10	<0.01	<10	0.82	651	<1	0.02	10	1030	<2	<10	136	0.22	<10	<10	136	<10	70	--	--	--	--	--	--	--	--	--	--	
SL-014	5	5.22	0.2	10	30	<0.5	<2	1.56	<0.5	50	14	48	5.94	10	0.03	<10	1.14	1203	<1	0.01	15	1290	4	<10	202	0.26	<10	<10	146	<10	80	--	--	--	--	--	--	--	--	--	--	
SL-015	5	4.90	0.2	<10	20	<0.5	<2	0.40	<0.5	32	25	24	6.52	<10	<0.01	<10	0.51	1101	<1	0.01	10	2260	2	<10	63	0.30	<10	<10	157	<10	90	--	--	--	--	--	--	--	--	--	--	
SL-016	5	4.48	0.2	10	50	<0.5	<2	0.54	<0.5	31	38	22	4.82	<10	<0.01	<10	0.84	530	<1	0.01	17	1020	2	<10	60	0.22	<10	<10	132	<10	80	--	--	--	--	--	--	--	--	--	--	
SL-017	5	4.31	0.2	10	20	0.5	<2	0.48	<0.5	9	40	7	7.91	10	<0.01	10	0.38	299	1	0.02	9	760	<2	<10	71	0.51	<10	<10	192	<10	50	--	--	--	--	--	--	--	--	--	--	
SL-018	5	4.83	0.2	10	50	<0.5	<2	2.03	<0.5	35	39	31	5.03	10	0.06	10	1.21	1265	<1	0.02	19	1490	6	<10	230	0.31	<10	<10	133	<10	80	--	--	--	--	--	--	--	--	--	--	--
SL-019	5	5.67	0.2	10	30	<0.5	<2	0.64	<0.5	17	61	16	5.24	10	<0.01	10	0.73	1197	<1	0.01	17	1280	<2	<10	91	0.34	<10	<10	146	<10	50	--	--	--	--	--	--	--	--	--	--	
SL-020	5	6.17	0.2	10	20	<0.5	<2	0.70	<0.5	32	42	27	6.02	10	0.01	10	0.85	807	<1	0.01	23	1630	<2	<10	104	0.37	<10	<10	150	<10	80	--	--	--	--	--	--	--	--	--	--	
SL-021	5	3.75	0.2	10	40	0.5	<2	0.80	<0.5	23	29	14	5.12	10	0.02	10	0.72	917	1	0.01	16	1170	4	<10	106	0.34	<10	<10	132	<10	70	--	--	--	--	--	--	--	--	--	--	
SL-022	5	8.32	0.2	<10	30	0.5	<2	0.79	<0.5	40	45	124	7.12	10	0.02	10	0.88	583	<1	0.01	23	1660	<2	<10	149	0.44	<10	<10	161	<10	90	--	--	--	--	--	--	--	--	--	--	
SL-023	5	5.34	0.2	10	50	0.5	<2	1.40	<0.5	26	35	41	7.17	10	0.05	10	1.19	1923	1	0.01	15	1120	2	<10	239	0.38	<10	<10	132	<10	100	--	--	--	--	--	--	--	--	--	--	--
SL-024	5	4.62	0.2	<10	30	<0.5	<2	1.75	<0.5	26	26	62	5.85	10	0.06	10	1.15	1047	<1	0.01	13	1960	6	<10	228	0.34	<10	<10	106	<10	90	--	--	--	--	--	--	--	--	--	--	
SL-025	5	2.63	0.2	10	30	<0.5	<2	0.78	<0.5	18	19	14	6.51	10	0.03	<10	0.82	1171	<1	0.02	9	1950	6	<10	102	0.28	<10	<10	145	<10	70	--	--	--	--	--	--	--	--	--	--	
SL-026	5	2.41	0.2	<10	40	<0.5	<2	0.55	<0.5	19	19	12	6.71	<10	0.01	<10	0.78	1123	<1	0.02	9	1850	2	<10	102	0.40	<10	<10	126	<10	50	--	--	--	--	--	--	--	--	--	--	
SL-027	5	2.27	0.2	10	20	0.5	<2	0.88	<0.5	18	19	24	5.86	<10	0.02	10	0.37	858	1	0.01	10	2700	4	<10	154	0.31	<10	<10	100	<10	70	--	--	--	--	--	--	--	--	--	--	--
SL-028	5	4.30	0.2	10	30	0.5	<2	0.60	<0.5	28	24	117	7.27	<10	<0.01	10	0.77	1622	<1	0.01	8	2690	<2	<10	89	0.25	<10	<10	119	<10	90	--	--	--	--	--	--	--	--	--	--	--
SL-029	5	4.22	0.2	10	20	0.5	<2	0.27	<0.5	13	10	26	7.73	<10	<0.01	10	0.36	955	1	0.01	8	2720	<2	<10	52	0.36	<10	<10	127	<10	70	--	--	--	--	--	--	--	--	--	--	--
SL-030	5	5.41	0.2	10	30	<0.5	<2	0.59	<0.5	31	50	57	5.48	10	0.02	10	1.12	1011	<1	0.01	30	1850	4	<10	107	0.24	<10	<10	108	<10	100	--	--	--	--	--	--	--	--	--	--	--
SL-031	5	5.00	0.2	10	30	<0.5	<2	1.10	<0.5	21	25	61	6.52	10	0.02	10	1.11	910	<1	0.01	12	1180	4	<10	158	0.41	<10	<10	120	<10	90	--	--	--	--	--	--	--	--	--	--	--
SL-032	5	5.25	0.2	10	20	<0.5	<2	0.69	<0.5	22	24	100	5.96	10	0.02	10	0.74	805	<1	0.01	12	1470	<2	<10	111	0.32	<10	<10	108	<10	90	--	--	--	--	--	--	--	--	--	--	--
SL-033	5	2.96	0.2	<10	20	0.5	<2	0.51	<0.5	24	25	25	6.04	10	0.03	10	0.99	1649	1	0.01	22	1060	6	<10	112	0.30	<10	<10	132	<10	90	--	--	--	--	--	--	--	--	--	--	--
SL-034	5	2.41	0.2	10	40	0.5	<2	0.51	<0.5	9	24	11	5.11	10	0.05	<10	0.39	1423	<1	0.01	4	810	14	<10	87	0.14	<10	<10	82	<10	80	--	--	--	--	--	--	--	--	--	--	--
SL-035	5	2.87	0.2	10	20	0.5	<2	0.38	<0.5	3	17	2	5.95	10	0.04	<10	0.38	1534	1	0.01	4	920	10	<10	52	0.17	<10	<10	74	<10												



# Chemex Labs Ltd.

Analytical Chemists    Geochemists    Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada    V7J 2C1

Telephone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO: RISE RESOURCES INC.

2011 - 2011 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W1

CERT. # : A8612389-001-A  
INVOICE # : I8612389  
DATE : 17-MAY-86  
P.O. # : NONE  
SIL

Semi quantitative multi element ICP analysis.

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cd, Ga, La, Mg, K, Na, Sr, Ti, Tl, W and V can only be considered as semi-quantitative.

COMMENTS :  
ATTN: RALPH GONZALES

Sample description	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Hg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	U	V	W	Zn		
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm			
R-01	0.75	0.9	<10	40	<0.5	4	3.56	6.5	136	16	2757	24.92	20	<0.01	<10	0.04	1399	<1	<0.01	15	200	6	<10	<1	0.03	<10	<10	16	<10	620	--	--
R-02	0.82	0.2	10	40	<0.5	<2	4.19	0.5	60	36	1647	23.52	20	<0.01	<10	0.06	1267	1	<0.01	14	790	10	<10	<1	0.04	<10	<10	27	<10	30	--	--
R-03	1.11	0.2	10	70	<0.5	<2	1.02	<0.5	15	18	167	5.07	<10	0.12	10	0.61	481	1	0.10	10	580	4	<10	49	0.26	<10	<10	35	<10	70	--	--
R-04	0.46	0.2	<10	20	<0.5	<2	0.28	<0.5	8	8	51	1.66	<10	0.05	10	0.20	201	<1	0.15	6	390	<2	<10	11	0.03	<10	<10	6	<10	40	--	--
R-05	1.05	0.2	<10	150	<0.5	<2	3.47	<0.5	25	24	128	4.90	10	0.11	<10	2.18	719	<1	0.39	47	600	4	<10	296	0.23	<10	<10	120	<10	70	--	--
R-06	1.18	0.2	<10	20	<0.5	<2	0.95	<0.5	8	10	39	2.62	<10	0.04	10	0.62	379	<1	0.14	8	760	<2	<10	111	0.24	<10	<10	19	<10	40	--	--
R-07	2.90	0.2	10	20	<0.5	<2	1.76	<0.5	83	5	59	9.00	10	0.22	<10	1.12	627	<1	0.06	14	1490	10	<10	347	0.49	<10	<10	149	<10	60	--	--
R-08	1.16	0.2	<10	40	<0.5	<2	0.87	<0.5	63	10	7	4.94	10	0.08	10	0.69	243	9	0.12	10	1430	6	<10	102	0.36	<10	<10	75	<10	30	--	--
R-09	5.44	0.2	<10	100	<0.5	<2	3.86	<0.5	15	24	15	5.08	20	0.22	<10	1.58	699	<1	0.45	17	1150	9	<10	283	0.34	<10	<10	157	<10	90	--	--
R-10	2.90	0.2	<10	140	<0.5	<2	0.40	<0.5	14	12	39	7.26	10	0.28	<10	2.11	1340	<1	0.08	9	1030	14	<10	26	0.37	<10	<10	212	<10	110	--	--
R-11	4.13	0.2	<10	120	<0.5	<2	2.39	<0.5	3	8	10	3.63	20	0.14	<10	0.72	344	1	0.04	5	850	6	<10	234	0.11	<10	<10	23	<10	40	--	--
R-12	3.48	0.2	<10	200	<0.5	<2	1.17	<0.5	14	9	51	7.22	20	0.34	10	1.77	343	9	0.25	8	1430	14	<10	353	0.24	<10	<10	140	<10	50	--	--
R-13	1.82	0.2	20	90	<0.5	<2	0.95	<0.5	5	9	13	5.69	10	0.36	10	0.17	476	9	0.01	6	300	12	<10	147	0.14	<10	<10	10	<10	30	--	--
R-14	2.67	0.2	<10	20	<0.5	<2	3.07	<0.5	19	5	38	4.92	20	0.08	<10	1.79	1322	<1	0.06	7	1130	12	<10	112	0.29	<10	<10	106	<10	140	--	--
R-15	1.11	0.2	<10	40	<0.5	<2	0.52	<0.5	5	6	4	2.28	<10	0.20	10	0.46	633	<1	0.09	5	350	4	<10	17	0.07	<10	<10	21	<10	40	--	--

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2010490

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

1,964

Verified by *Hart Bickler*



# Chemex Labs Ltd.

Analytical Chemists    Geochemists    Registered Assayers

212 Brooksbank Ave.  
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Telex:    043-52597

## CERTIFICATE OF ANALYSIS

TO : RISE RESOURCES INC.

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

CERT. # : A8612387-001-A  
INVOICE # : I8612387  
DATE : 7-MAY-86  
P.O. # : NONE  
SIL

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :  
ATTN: RALPH GONZALES

Sample description	Au ppt EA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Co ppm	Ce ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
SILT 01	15	4.41	0.2	<10	90	<0.5	<2	2.27	<0.5	32	38	92	6.37	20	0.08	10	1.25	1019	2	0.01	21	1040	12	<10	209	0.19	<10	<10	76	<10	170	--
SILT 02	<5	3.80	0.2	<10	60	<0.5	<2	2.04	<0.5	38	14	57	4.26	10	0.04	10	0.74	1154	<1	0.01	12	1210	6	<10	181	0.20	<10	<10	85	<10	120	--
SILT 03	<5	2.32	0.2	<10	100	<0.5	<2	1.26	<0.5	12	37	21	2.46	10	0.14	10	1.01	1061	<1	0.02	16	650	10	<10	130	0.16	<10	<10	54	<10	110	--
SILT 04	<5	2.27	0.2	<10	60	<0.5	<2	2.06	<0.5	30	25	46	3.95	10	0.07	10	0.96	892	<1	0.02	12	880	8	<10	199	0.24	<10	<10	78	<10	150	--

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2010940

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

# 12,964

Certified by Hart Bichler



# Chemex Labs Ltd.

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## CERTIFICATE OF ANALYSIS

TO : RISE RESOURCES INC.

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

\*\* CERT. # : A8612385-001-A  
INVOICE # : I8612385  
DATE : 9-MAY-86  
P.O. # : NONE  
SIL

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.


COMMENTS :  
ATTN: RALPH GONZALES

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2008400

Sample description	Au ppb EA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
HMC-01	70	2.79	0.2	30	100	<0.5	2	2.45	0.5	68	91	155	12.61	30	0.02	20	0.84	779	2	0.01	31	1000	14	<10	323	0.25	<10	<10	102	<10	130	--
HMC-02	<10	3.20	0.2	10	20	<0.5	<2	3.30	<0.5	58	57	54	5.97	30	0.03	<10	0.77	721	1	0.01	18	720	8	<10	650	0.32	<10	<10	138	<10	70	--
HMC-03	<20	4.20	0.2	10	140	<0.5	<2	4.85	<0.5	13	279	81	6.30	30	0.09	<10	0.78	1572	<1	0.03	16	690	20	<10	651	0.23	<10	<10	100	<10	100	--

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

# 14,964

Certified by 

## COSTS STATEMENT

RISE RESOURCES INC  
SIL CLAIM  
14 - 22 APRIL, 1986

### GENERAL COSTS

<b>FOOD &amp; ACCOMMODATION:</b> 2 pers., 18 Man Days @ \$ 34.23/day	\$ 616.20
<b>SUPPLIES:</b>	79.47
<b>FIELD TELEPHONE SERVICE:</b>	18.00
<b>RENTALS:</b>	
Kangeld; 4-WD Jeep: 14 Apr.-22 Apr. 9 days @ \$43/day	\$ 387.00
Ezekiel Field Equipment: 18 man days @ \$6/day	<u>108.00</u>
	495.00
<b>B.C. FERRY: 14 &amp; 22 Apr.</b>	94.00
<b>FUEL:</b>	116.72
<b>DRAFTING &amp; REPRODUCTION:</b>	724.73
<b>CONSULTANT FEES:</b> Archean Engineering Ltd.	750.00
<b>DATA PREPARATION:</b>	735.00
<b>REPORT PREPARATION:</b>	<u>1,805.00</u>
<b>TOTAL GENERAL COSTS:</b>	<u><u>\$ 5,434.12</u></u>

### PROSPECTING COST

<b>SALARIES &amp; WAGES:</b> 2 Pers. 8 man days @ \$112.50/day	\$ 900.00
<b>BENEFITS:</b> @ 20%	180.00
<b>GENERAL COSTS APPORTIONED:</b> 8/18 man days X \$5,434.12	<u>2,415.16</u>
<b>TOTAL PROSPECTING COSTS:</b>	<u><u>\$ 3,495.16</u></u>

### GEOPHYSICAL SURVEY COSTS:

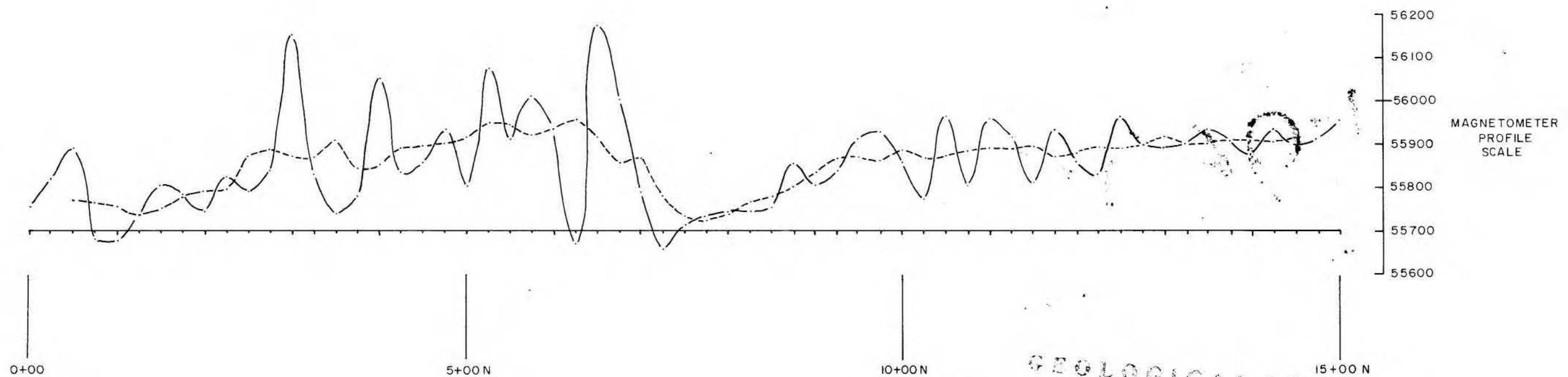
<b>SALARIES &amp; WAGES:</b> 2 Pers. 5 man days @ \$112.50/day	\$ 562.50
<b>BENEFITS:</b> @ 20%	112.50
<b>RENTAL:</b> Kangeld Proton Magnetometer	\$ 135.00
<b>GENERAL COSTS APPORTIONED:</b> 5/18 man days @ \$5,104.12	<u>1,509.48</u>
<b>TOTAL GEOPHYSICAL SURVEY COSTS</b>	<u><u>\$ 2,319.48</u></u>

**GEOCHEMICAL SURVEY**

<b>SALARIES &amp; WAGES:</b>		
2 Pers. 5 man days @ \$112.50/day		\$ 562.50
<b>BENEFITS:</b>		
@ 20%		112.50
<b>ASSAYS &amp; ANALYSES:</b>		
Chemex Labs		
15 rock for Au @ \$11.50	\$ 172.50	
15 pulp for 30-elem ICP @\$6.50	97.50	
4 silt for Au + 30 elem ICP @\$14.55	58.20	
73 Soils; Au + 30 elem ICP @\$15.25	1,113.25	
3 HMC for Au + 30 elem ICP @\$27.00	81.00	
Supplies	55.00	
		<u>1,577.45</u>
<b>GENERAL COSTS APPORTIONED:</b>		
5/18.man days X \$5,104.12		<u>1,509.48</u>
<b>TOTAL GEOCHEMICAL SURVEY</b>		<u><u>\$ 3,761.93</u></u>

**TOTAL SURVEY COSTS**

<b>PROSPECTING</b>	<b>\$ 3,495.16</b>
<b>GEOPHYSICAL SURVEY</b>	<b>2,319.48</b>
<b>GEOCHEMICAL SURVEY</b>	<b>3,761.93</b>
	<u>          </u>
<b>TOTAL COST</b>	<u><u>\$ 9,576.57</u></u>



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

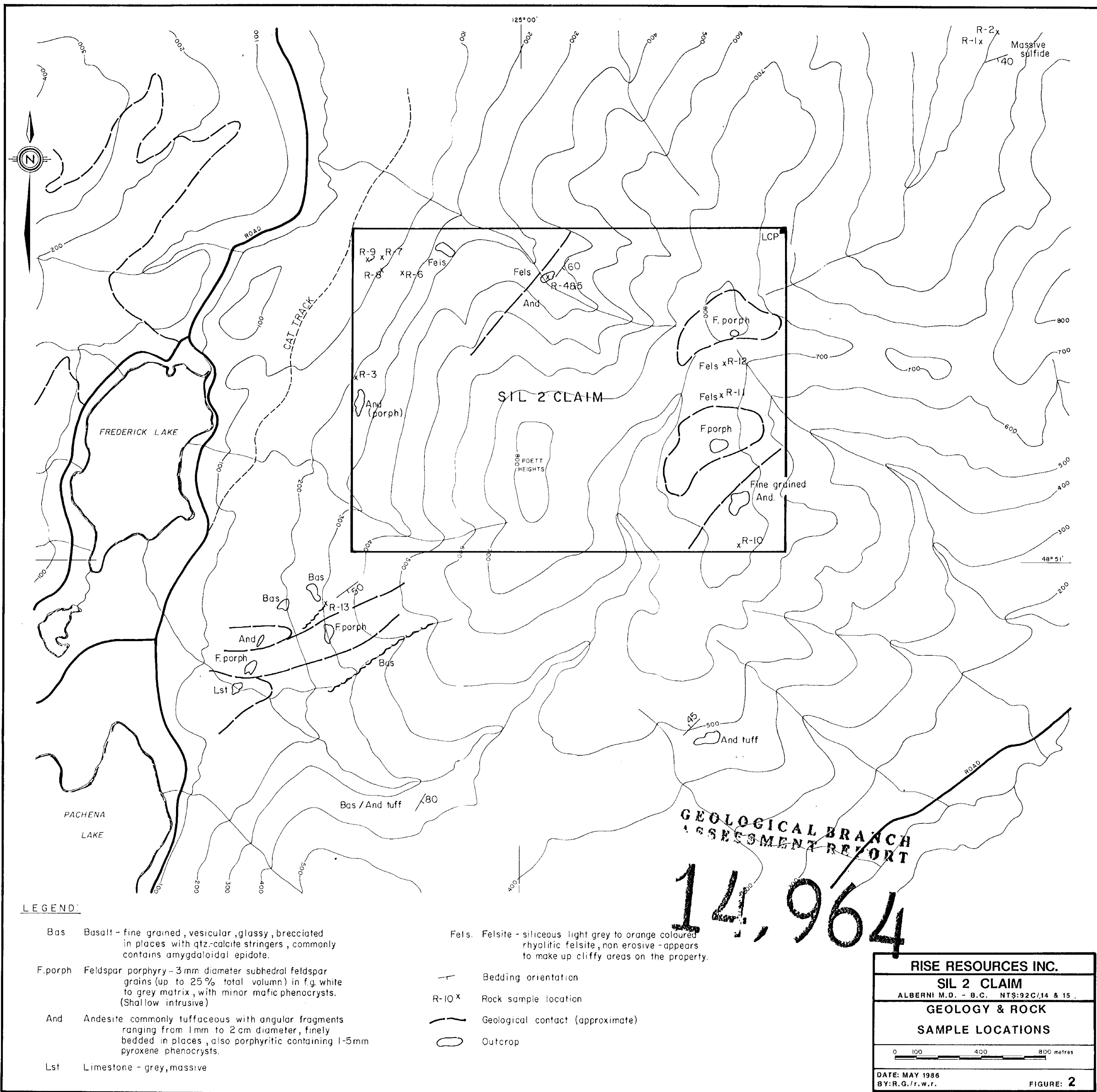
14,964

**LEGEND:**

- TOTAL FIELD STRENGTH MAGNETOMETER PROFILE
- - - - ROLLING MEAN PROFILE AVERAGING OVER FIVE STATIONS
- INSTRUMENT: GEOMETRICS PROTON MAGNETOMETER

<b>RISE RESOURCES INC.</b>	
<b>SIL 2 CLAIM</b>	
ALBERNI M.D.-B.C. NTS:92C/14 & 15	
<b>PROTON MAGNETOMETER PROFILES (RIDGE LINE)</b>	
DATE: MAY 1986	FIGURE: 8
BY: R.G./r.w.r.	





**LEGEND:**

- Bas Basalt - fine grained, vesicular, glassy, brecciated in places with qtz.-calcite stringers, commonly contains amygdaloidal epidote.
- F.porph Feldspar porphyry - 3 mm diameter subhedral feldspar grains (up to 25% total volume) in f.g. white to grey matrix, with minor mafic phenocrysts. (Shallow intrusive)
- And Andesite commonly tuffaceous with angular fragments ranging from 1mm to 2 cm diameter, finely bedded in places, also porphyritic containing 1-5mm pyroxene phenocrysts.
- Lst Limestone - grey, massive

Fels. Felsite - siliceous light grey to orange coloured rhyolitic felsite, non erosive - appears to make up cliffy areas on the property.

- Bedding orientation
- R-10 x Rock sample location
- Geological contact (approximate)
- Outcrop

**RISE RESOURCES INC.**

**SIL 2 CLAIM**  
ALBERNI M.D. - B.C. NTS:92C/14 & 15

**GEOLOGY & ROCK**  
**SAMPLE LOCATIONS**

0 100 400 800 metres

DATE: MAY 1986  
BY: R.G./r.w.r.

FIGURE: 2