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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,826

**BORDEAUX RESOURCES LTD.**

Assessment Report

on the

Rambler Claim Group

Lawless Creek Area  
Similkameen Mining Division

N. Latitude: 49° 34' 00"

W. Longitude: 120° 56' 00"

NTS 92H/10W

FILMED

by

A.E. Hunter/M.E. Blank.

**STRATO GEOLOGICAL ENGINEERING LTD.**  
3566 King George Highway  
Surrey, British Columbia  
V4A 5B6

November 20, 1987



## SUMMARY

The Rambler group comprises 44 claim units, including the Law's Camp Crown-granted claims located some 31 km west-northwest of Princeton, B. C. The property is accessible by good gravel road from Tulameen, B.C., and from the new Coquihalla Highway, a road distance of 16 kilometres.

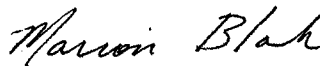
The property is underlain by two lithological units: Nicola metavolcanics and sediments in the central and eastern claim areas, and the Eagle granodiorite in the western area. The Law's Camp properties, namely St. George and St. Lawrence Crown Grants, produced small quantities of massive sulphide ore with significant values in gold and silver prior to 1916.

Recent geological mapping, geophysical and geochemical grid surveys have identified a significant, coincident precious-base metal anomaly in the common border area of Murphy-Shelly claims. This work recognized a zone with associated Au, Ag, Cu, Pb and Zn values over a strike of 300m and related VLF-EM & Magnetic signatures. Also geological mapping has defined a shear zone which extends across the area. An offset present in the VLF-EM anomaly located over the geochemically anomalous area suggests that this shear or fault zone may extend across the area and be the source of the mineralization revealed by soil geochemistry.

Respectfully submitted,  
Strato Geological Engineering Ltd.

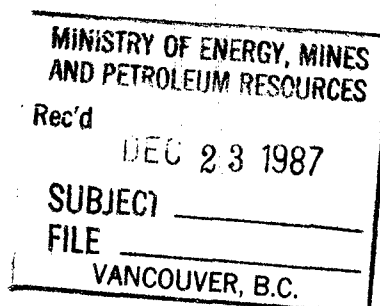


A.E. Hunter, Geophysicist



M.E. Blank, Geologist, B.Sc., (Hon.)

November 20, 1987



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## 1. INTRODUCTION

Pursuant to a request by the directors of Bordeaux Resources Ltd., geological mapping, detailed grid magnetics, electromagnetics, and soils geochemical surveys were performed from the common boundary area of the Murphy and Shelley mineral claims to the central area of the Shelley claim. Field work was conducted during the period September 10 to 21, 1987.

The Rambler claim group is located 31 kilometres west-northwest of Princeton, B. C., near Lawless Creek. The Murphy and Shelley mineral claims form a portion of the Rambler claim group which contains 41 claim units and covers some 893 ha (2,200 acres).

The intent of the geological mapping, geochemical survey, and geophysical surveys was to investigate in detail a previously outlined, coincident precious-base-metal anomaly in the central Shelley claim area.

The results of the geological mapping, 8.5 kilometres of geochemical soil sampling and geophysical surveys are presented in this report.

### 1.1 Location, Access and Topography

The Rambler claim group consists of 3 located mineral claims, 3 Crown Grants and 5 reverted Crown Grants covering approximately 893 ha, located 31 kilometres west-northwest of Princeton, British Columbia (Figure 1). The claim group is centered at approximately 49 degrees 34' north latitude and 120 degrees 54' west longitude.

Good gravel roads provide easy access to the claim group. The claims are 23 kilometres via the Lawless Creek and Britton Creek roads from the Village of Tulameen. The property is also accessible from the Coquihalla Highway, turning off 1.5 kilometres from the Highway toll booth on the Tulameen road and then the Britton Creek logging roads for a distance of 16 kilometres.

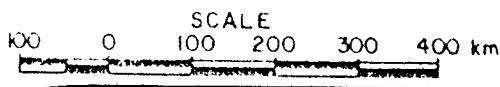
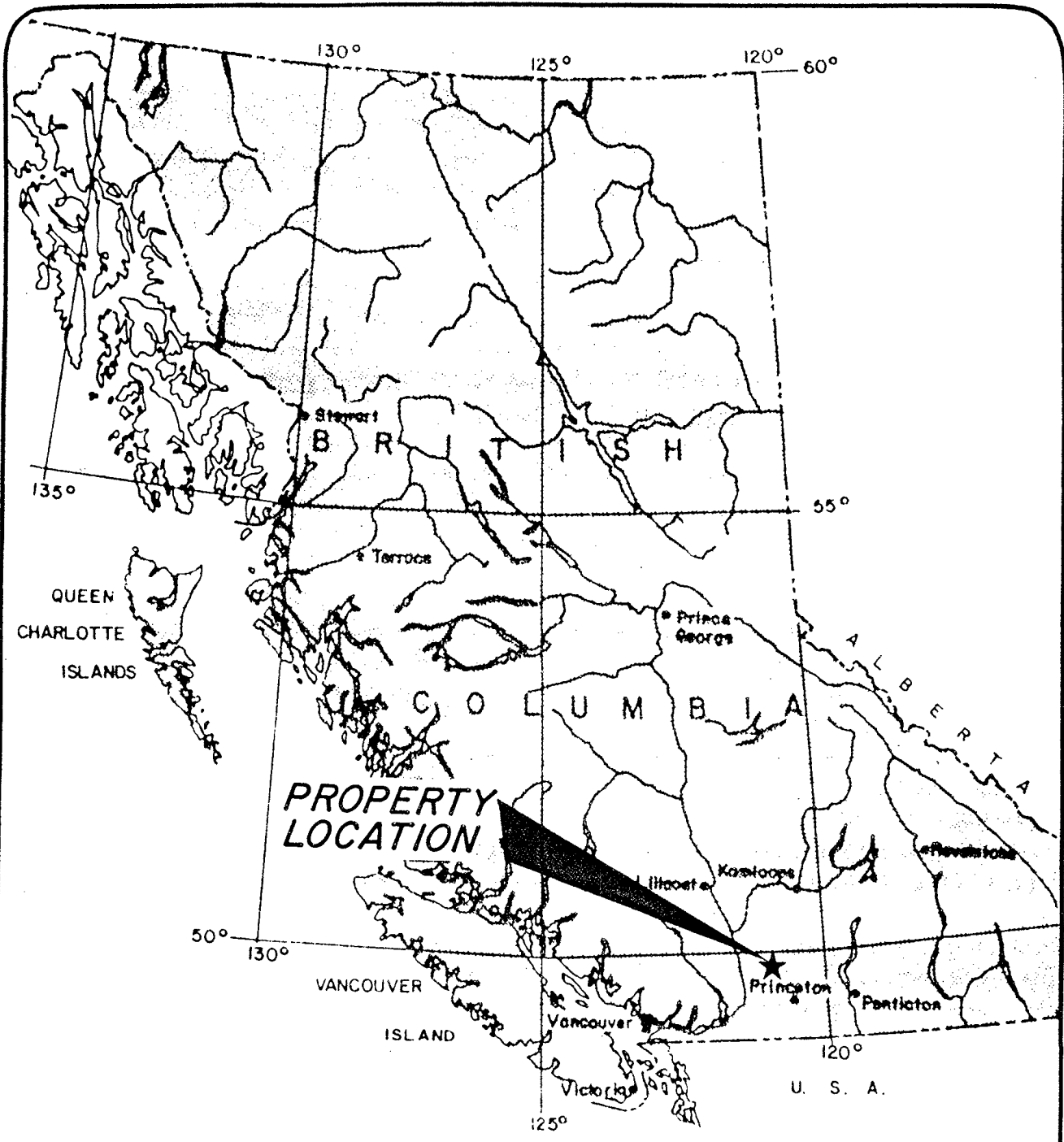


FIGURE 1  
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 RAMBLER CLAIM GROUP  
 SIMILKAMEEN M.D. — N.T.S. 92 H/10

LOCATION MAP

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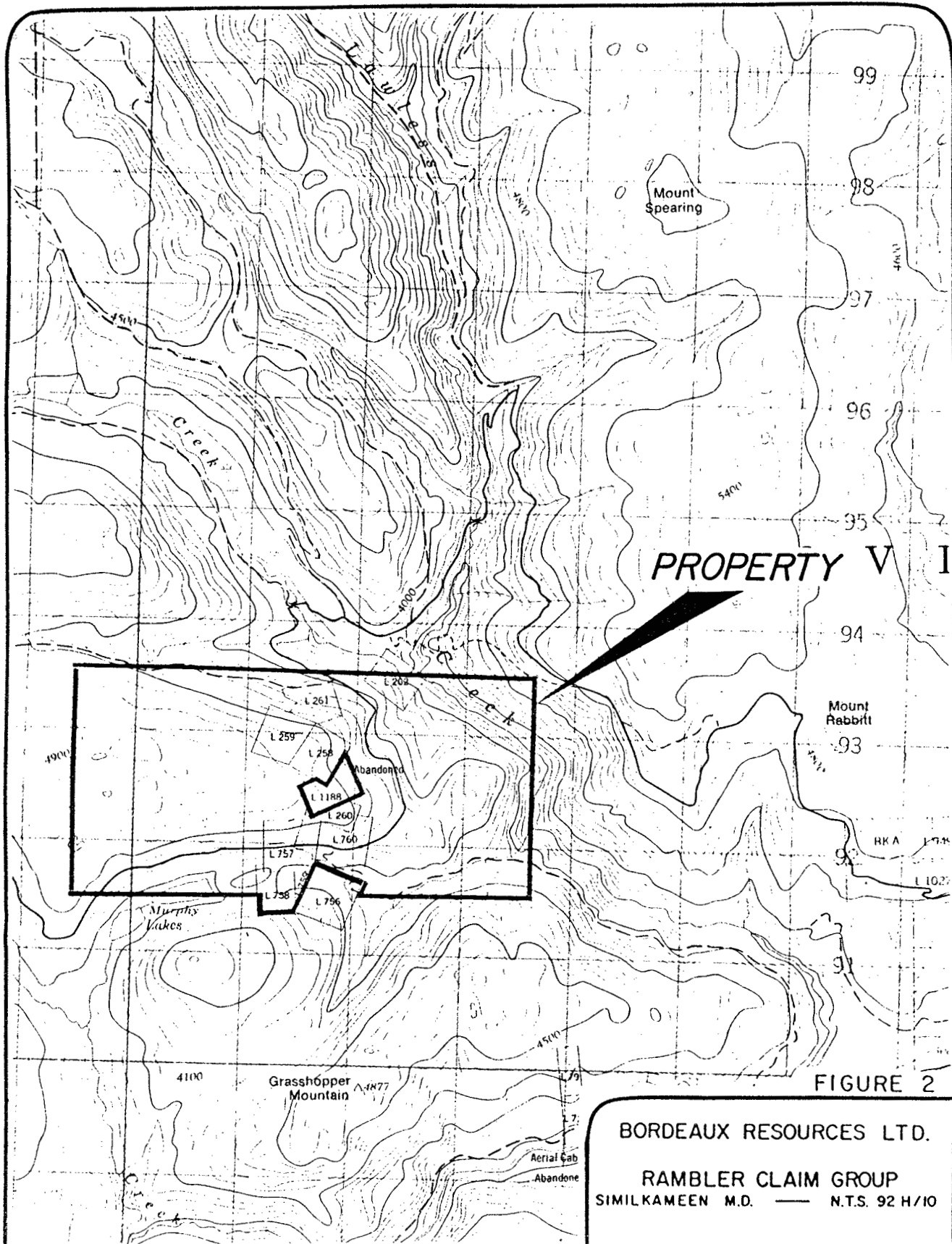


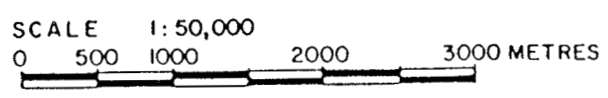
FIGURE 2

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RAMBLER CLAIM GROUP  
SIMILKAMEEN M.D. — N.T.S. 92 H/10

TOPOGRAPHIC MAP

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Topographic relief over most of the property is gentle to moderate, with elevations ranging from 975 metres (3200 feet) to 1500 metres (3900 feet) A.S.L. (Figure 2). Some steep topography exists along Lawless and Grasshopper Creeks in the northeastern claim areas.

Outcrop exposure over the property is sparse and generally limited to roadcuts and creek draws. Portions of the claim area have been logged.

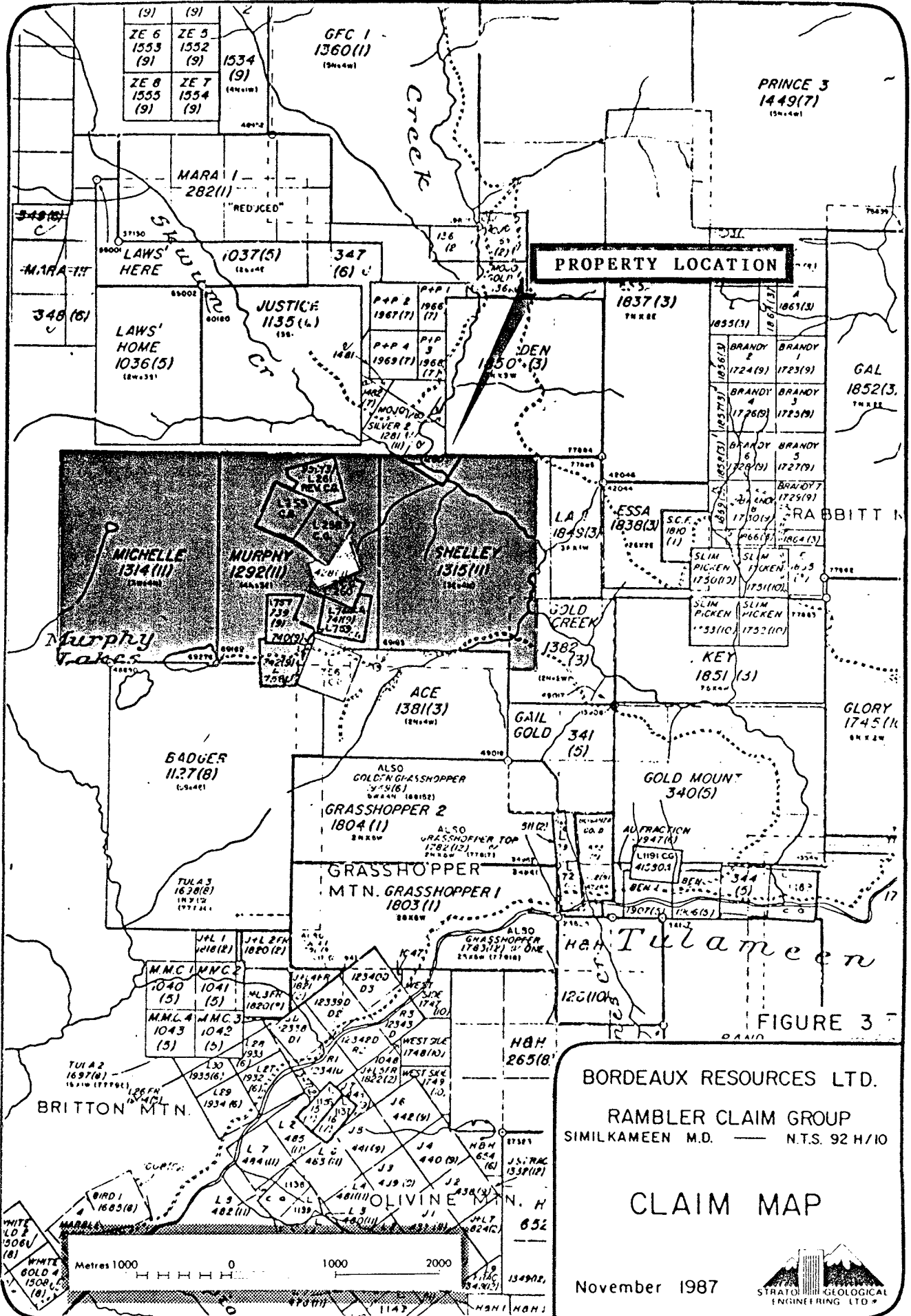
## 1.2 Claims

The Rambler claim group is located within the Murphy Lakes/ Lawless Creek area of Similkameen Mining Division, British Columbia. The property encompasses the Liverpool Reverted Crown Grant No. 428(9), and the Airline Crown Grant, Lot 756. These two Crown Grants are not held by Goldwest Resources Ltd.

The Rambler claim group is shown on British Columbia Ministry of Energy, Mines and Petroleum Resources Mineral Claim Map M 92H/10W (Figure 3). A check at the Gold Commissioner's office in Princeton, B. C., shows the claims to be recorded as follows:

CLAIM NAME	NO. OF UNITS	RECORD NO.	RECORD DATE	EXPIRY DATE
St. George	1	L 257	Crown Grant	
St. Lawrence	1	L 258	Crown Grant	
Chicago	1	L 260	Crown Grant	
Grand Trunk	1 cl.	739 (L757)	79/09/27	87/09/27
Rambler	1 cl.	742 (L758)	79/09/27	87/09/27
Stonie Creek	1 cl.	740 (L759)	79/09/27	87/09/27
Morning Sun	1 cl.	741 (L760)	79/09/27	87/09/27
St. Helen	1 cl.	950 (L261)	80/03/18	88/03/18
Murphy	12	1292	80/11/27	87/11/27
Michelle	12	1314	80/11/27	87/11/27
Shelley	12	1315	80/11/27	87/11/27





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# CLAIM MAP

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The Murphy claim does not contain a full 12 units, as it encompasses a number of Crown Grants and reverted Crown Grant claims of the Law's Camp claim group, as shown on Figures 2 and 3.

The claims are the subject of a joint venture agreement between Bordeaux Resources Ltd. and Goldwest Resources Ltd., whereby Bordeaux has the right to earn 51% interest in the claim group.

## 2. HISTORY

The history of mineral exploration and development within the Rambler claim group area has been fully reported by Armstrong (1981) and by Stammers and Crawford (1982), and need not be recapitulated in this report.

The results of 1980 and 1982 geochemical soil sampling programs indicate that anomalous concentrations of copper, lead, and zinc exist within soils near the common boundary of Shelley and Murphy mineral claims (Armstrong, 1981; Stammers and Crawford, 1982).

Field work by Serem Ltd. in 1982 included a magnetometer survey over the St. Lawrence and the Liverpool workings. Survey results indicated that low magnetic values exist over the St. Lawrence and Liverpool massive sulphide occurrences and a corresponding magnetic high generally occurs nearby (Stammers and Crawford, 1982). A 1984 magnetic survey by Strato Geological Engineering Ltd. delineated three northerly-trending magnetic 'high/low' features and a probable fault (Englund, 1984).

Further geophysical work by Strato Geological Engineering Ltd. (Pawliuk, 1985) extended the magnetic-VLF features to the south, and a detailed Genie HLEM survey (Arnold and Hunter, February 1986) further delineated the geophysical targets.

Geological mapping and reconnaissance soil sampling by Strato Geological Engineering Ltd (Dunkley, 1986) have identified a significant, coincident precious-base-metal anomaly in the central Shelley claim area. This work extended a zone of irregular anomalous Au, Ag, Cu, and Zn values over a strike length of some 1000 metres, roughly parallel to and about 600 metres east of the old Law's Camp workings.

### **3. GEOLOGY**

#### **3.1 Regional Geology**

The Lawless Creek area is generally underlain by volcanic and subordinate sedimentary rocks of the Nicola Group, ultramafic to felsic rocks of the Lodestone Intrusions, intrusive phases of the Coast Intrusions (Eagle granodiorite), and intrusive phases of the Otter Intrusions (Red granite) (Rice, 1960).

The majority of the Nicola rocks in the area have not been closely identified and have been termed greenstones. Possibly andesitic in composition, they include lavas, flow breccias, pyroclastics, greywacke, and mixed pyroclastics and greywacke. Interbedded with the greenstones are bands of dacite, rhyolite, fine-grained dark sediments, sedimentary schists, limestones, and minor conglomerate.

The Lodestone Intrusions, occurring as dykes and stocks on the south slopes of Grasshopper Mountain and lower Lawless Creek, include pyroxene syenite, pyroxene, peridotite, dunite, diorite, gabbro, and feldspar porphyry.

The Eagle granodiorite underlies a large area on the west slopes of Grasshopper Mountain. The principal minerals are quartz, feldspar and biotite, and the rock is slightly gneissic, coarse-grained, and is mottled white and black. East of Lawless Creek, on the western slopes of Mount Rabbitt, a stock of red granite intrudes the Nicola group rocks. This intrusive unit is massive, and consists of pink to red orthoclase, green saussurite plagioclase, quartz, and subordinate hornblende.

#### **3.2 Property Geology**

Geological mapping and sampling of the claim group was completed by M. Blank, Geologist, and M. Orman, Geologist. Previous geological mapping by J. Dunkley, B.Sc., (1986), is also presented on Figure 5.

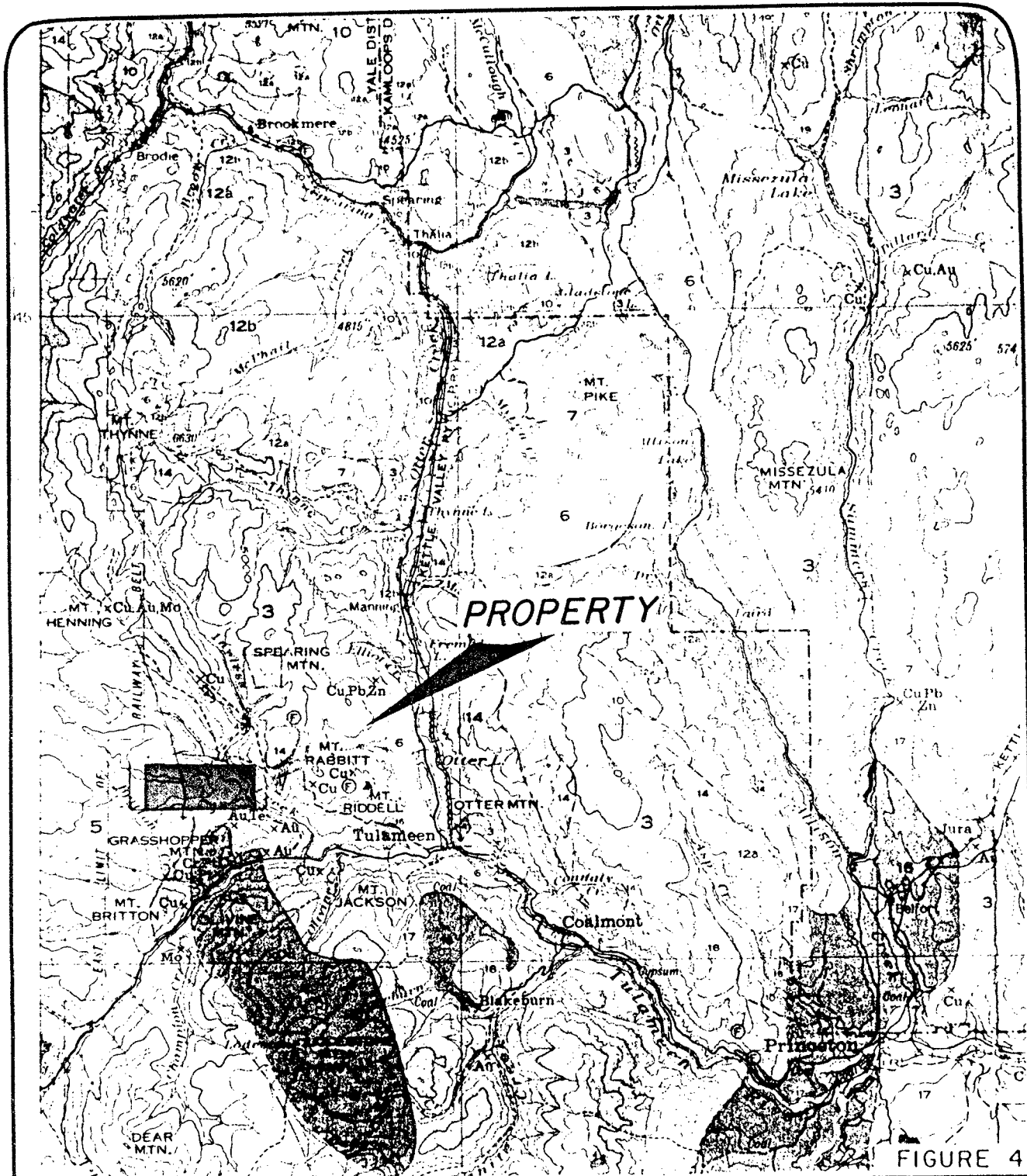


FIGURE 4

LEGEND		
18 Basalt	4 Peridotite, pyroxenite, gabbro	
16,17 Princeton Group	3 Nicola Group	
14 Otter Intrusions	<b>BORDEAUX RESOURCES LTD.</b>	
12a-b Kingsvale Group		
10 Spence Bridge Group		
8 Copper Mt. Intrusions		
5,6,7 Coast Intrusions		

After H.M.A. RICE, 1944

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**RAMBLER CLAIM GROUP**  
 SIMILKAMEEN M.D. — N.T.S. 92 H/10  
**REGIONAL GEOLOGY MAP**

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The Rambler claim group is underlain by Upper Triassic rocks of the Nicola group. The rocks have a northwesterly strike and a low to moderate southwest dip. To the extreme southeast, green andesites predominate, giving way to metasediments and greenschists north of Grasshopper Creek.

A few hundred metres or less to the west of the Murphy/Shelley claim boundary, in the area of the Crown Grants, massive white to light grey crystalline limestones, limey sediments and sericite schists become prevalent, with bodies of massive sulphides occurring sporadically within the limestones. A major body of light grey andesitic feldspar porphyry also occurs in this region. As well, this unit is irregularly interbedded with schists and metasediments in the central region of the claim group.

The western third of the Murphy claim, and all of the Michelle claim, is underlain by Jurassic intrusions of the Eagle granodiorite. Dykes of Eagle granodiorite intrude into the Nicola rocks for a few hundred metres east of the contact.

Much of the claim group is covered by thick overburden and, with the exception of the Lawless Creek area, most outcrop exposure is limited to road cuts. Mineralization throughout most of the property consists of pyrite disseminated in the metasediments and in the foliations of the green and sericite schists.

Significant mineralization has been found on the St. George, St. Lawrence and Liverpool Crown Grants. Here, massive sulphides of pyrite, pyrrhotite, sphalerite with associated chalcophrite, galena, and malachite occur in limestone host rocks.

The St. George showing is massive pyrite-pyrrhotite with associated chalcophrite and minor malachite. It is located 100 metres east of a dyke of the Eagle granodiorite and a few hundred metres east of the main intrusive body.

To the southeast, the St. Lawrence showing is a massive sphalerite-pyrrhotite-pyrite hosted in limestone and metasediments. The same intrusive dyke found at the St. George outcrops, 375 metres to the west-northwest. A feldspar-porphry dyke extends southerly from the showing to the west side of the Liverpool adit.

The Liverpool is a copper showing of heavily oxidized rock containing limonite and hematite, with associated chalcopyrite, pyrite and malachite, hosted in a bedded limestone unit. (J. Dunkley, 1986)

On the present survey grid area, an outcrop of the Nicola Metasediments were investigated on a road cut east of Britton Creek Road. These outcrops were compared with those of the old showings. The absence of limestone in this area appears to limit the possibility of replacement type mineralization.

Within the grid area, apparent cross faults with an approximate east/west strike were noted. At the southeast end of this area, a shear zone strikes approximately 120 degrees. This zone may extend across the area, however due to lack of significant outcrop, no definite conclusion can be made. Sporadic quartz lenses with pyrite and chlorite mineralization appear to be associated with structural movement.

Further investigation of geological structures within the grid area may produce a better understanding of the possibly structurally-controlled mineralization.

#### 4. GEOCHEMISTRY

The geochemistry program emphasized a closely spaced soil sampling grid survey in the central Shelley claim area. Some stream sediment and out-crop sampling were also carried out in conjunction with geological mapping.

Soil and stream samples were submitted to Acme Analytical Laboratories in Vancouver, B. C., for Ag, Cu, Ni, Pb, and Zn analysis by Inductively Coupled Argon Plasma (ICP) methods. The rock samples were analyzed for 30 elements by ICP methods. Gold was analyzed by the Atomic Absorption (AA) method. Analytical procedures are reported in Appendix I.

##### 4.1 Soil Sampling Survey

A geochemical grid soils survey was completed in the central Shelley claim area to test previous geochemical anomalies (J. Dunkley, 1986). A previously established baseline (L15 + 00E) was used for survey control on the present program. Soil samples were collected on lines spaced at 100 meters.

On all lines except L9 + 00N samples were collected as follows; between 0 + 00E to 4 + 00E and 7 + 00E to 8 + 50E samples were collected every 50 meters. From 4 + 00E to 7 + 00E samples were collected every 25 meters. On Line 9 + 00N samples were collected every 50 meters from 0 + 00E to 3 + 00E and 7 + 00E to 8 + 50E, and every 25 meters from 3 + 00E to 7 + 00E.

Samples were collected from B horizon soils at depths between 20 cm and 40 cm. Care was taken to avoid organic materials. Approximately 500 g of soil was removed from each site and placed into a standard kraft envelope.

A total of 235 samples were collected. Statistical treatment of the data was limited to the plotting of histograms to determine anomalous values. Analytical results, along with histogram plots, are included as Appendix II. Results are presented on Figure 6, which shows geochemical contours for Au and Ag and Figure 7, which shows geochemical contours for Cu, Pb, Zn and Ni.

The results for each element are discussed below:



- 1) Gold:  
205 of 237 samples show values of 20 ppb or less. Values greater than 20 ppb are considered weakly anomalous and values greater than 40 ppb are considered anomalous.
- 2) Silver:  
213 of 237 samples show values of 0.8 or less. Values between 0.9 and 1.2 ppm inclusive are considered weakly anomalous. Values of 1.3 or greater are anomalous.
- 3) Copper:  
Values greater than 160 ppm are considered anomalous.
- 4) Lead:  
The histogram plot indicates that values greater than 20 ppm are considered anomalous.
- 5) Zinc:  
Values that are greater than 285 ppm are considered anomalous.
- 6) Nickel:  
Values greater than 30 ppm are considered anomalous.

A total of 5 silt samples were taken from the grid area along small creeks located in the gully area. Approximately 500 g of silt was collected from these creeks and placed in small plastic sample bags. Sample results are presented on Figures 6 and 7 along with the soil geochemical results.

## 4.2 Rock Samples

A total of 6 rock samples were collected from the grid area for the purpose of comparing rock types from this area with the rock types of the old workings.

A description of the samples and the analytical data are given in Appendix III. Sample locations are shown on the geology map, Figure 5.

## 4.3 Discussion of Results

A relatively broad, coincident Au, Ag, Cu, Pb & Zn anomaly is found centered at line 10N, 3+75E. This anomaly displays a width of about 200 meters on line 10N. It has a strike length of over 500 meters. On the eastern side of this particular anomalous zone there is a narrow band of anomalous Ag.

Three other small Au, Ag anomalies are worthy of note. One occurs between Line 7N and Line 8N at 625E. It has a 100 meter length and a 25 meter width with an anomalous nickel association. A second sits on a southeastern edge of a wide silver anomaly and contains anomalous Au values between Line 5N to Line 6N at approximately 400E. A third anomaly is centered on Line 5+75N, 1+00E and opens to the S.S.E. This area is anomalous in Au, Ag, and Pb. The anomalous zones generally trend along the north north-west strike of the Nicola Group rocks located in this area.

## **5. GEOPHYSICAL**

The geophysical survey was conducted in conjunction with the soil survey. Magnetometer and Very Low Frequency Electromagnetics (VLF-EM) readings were taken at 25-metre intervals. A total survey grid of 8.5 km was compassed, chained and flagged.

### **5.1 Magnetic Method**

Total field magnetic measurements were made using a Scintrex model MP2 proton precession magnetometer. The measurements were taken at an elevation of 4 feet above ground level. The 850 metre line magnetic measurements were 'looped' and corrected for diurnal variation in accordance with normal procedures. The data is presented in contour map form as Figure 8.

### **5.2 Very Low Frequency Electromagnetics (VLF-EM)**

VLF-EM measurements were made using a Sabre Electronic VLF-EM Model 27 receiver and the NLK, Seattle transmitter station at a frequency of 24.8 kHz and with a rated power of 125 kw. Both dip angle and horizontal field strength measurements were taken (Figure 9). Dip angle values were filtered using the method of Fraser to facilitate contouring of results (Figure 10) and highlight dip angle crossovers indicative of subsurface conductors.

### **5.3 Discussion of Results**

The magnetic field data is present on Figure 8. From this contoured map two magnetic zones will be discussed.

The first magnetic feature of interest is characterized as a low. It occurs between Line 10 + 50N to 12 + 00N, centered on Line 11N, 3 + 00E. This feature has an associated geochemical anomalous zone and a VLF-EM signature. This magnetic feature appears to have a similar pattern to those found over known massive sulphide deposits of the old workings. Further investigation of this area is required to determine the cause of the anomalous results.

The second zone discussed displays a dipolar effect, a magnetic high with a corresponding low. The high occurs between Line 7+50N to Line 11N, is 500 meters wide and is centered on Line 9N, 1+25E. The corresponding low between Line 8N to Line 10N is 200 meters in length and is centered on Line 9N, 1+75E. This magnetic feature appears to flank an associated VLF-EM conductive zone. This zone has no coincidental soil anomaly but warrents further work such as trenching.

The VLF-EM field data is presented on Figures 9 and 10. All positive numbers have been contoured and four conductive zones were identified. These conductive zones are shown on Figure 10.

The major conductive zone apparently has been offset by a projection of a known fault. This conductive zone is discussed in two parts because of a significant geochemical anomaly found on the N-E side of this zone.

The north-east side occurs from Line 10N to Line 13N, has a length of 300 meters which is open to the north, and has a width of 100 meters. It is centered on Line 12N, 275E. This zone has a corresponding Au, Ag, Cu, Pb and Zn geochemical anomaly with coincident magnetic low. This zone appears to be the best defined target for further work.

The south-west side of the anomaly occurs from Line 7N to 10N. It is centered on Line 8N, 200 E, is 300 meters in length and 100 meters in width. There is no associated geochemical anomaly, but there is a corresponding magnetic dipolar signature flanking this conductive zone.

A second conductive zone occurs from Line 4N to Line 8N with a strike length of 100 meters and a width of 100 meters. It is centered on Line 6N, 6+00E. There is an associated Au, Ag, Ni anomaly down slope of this conductor. There are no apparent magnetic signature.

A third small conductive zone occurs from Line 6N to Line 9 N. It's length is 300 meters with a width of 50 meteres. It is centered on Line 9N, 50E and is open to the north. A fourth weak conductive zone occurs from Line 12 to 13 N. The zone may extend further north. The center of this anomaly is at approximately 5+50E.

## 6. CONCLUSIONS AND RECOMMENDATION

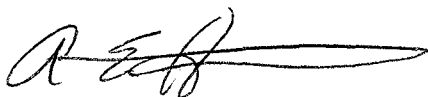
Geochemical (soil, stream and rock) and geophysical (magnetic and VLF-EM) surveys were conducted over the central Shelley claim area in order to test previously outlined geochemical anomalies (1986).

The survey has outlined a broad zone of coincident Au, Ag, Cu, Pb, & Zn anomalies with a corresponding magnetic and VLF-EM signature. These trends appear to be similar to the trends found over known massive sulphide deposits of the old workings.

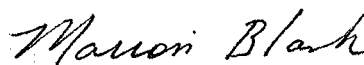
Based upon the results of this and previous exploration programs the following work is recommended.

1. A detailed Induce Polarization survey should be completed over the established anomalous area.
2. Trenching of both zones with magnetic signatures and especially the zone with coincidental soil anomalies.
3. Contingent upon positive results of step 2, a program of diamond drilling will be required to determine the source and extent of the mineralization.

Respectfully submitted,  
Strato Geological Engineering Ltd.



A.E. Hunter, Geophysicist



M.E. Blank, Geologist, B.Sc., (Hon.)

November 20, 1987

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Similkameen Mining Division; unpublished report for Bordeaux Resources  
Ltd.

**8. CERTIFICATES**

I, Marion E. Blank, of Vancouver, British Columbia, Canada, do hereby certify the following:

1. I am a geologist, employed by Strato Geological Engineering Ltd. of 3566 King George Highway, Surrey, B.C.
2. I completed a Bachelor of Science program in Geology. I also hold a Certificate of Honors at Saint Marys University, Halifax, Nova Scotia, 1983 and 1985 respectively.
3. Since leaving university I have practiced my profession in eastern and western Canada.
4. I have no direct, indirect or contingent interest, nor do I expect to receive any such interest, in the securities or properties of Bordeaux Resources Ltd.

DATED at Surrey, British Columbia, this 20th day of November, 1987.

*Marion Blank*  
M.E. Blank, Geologist, B.Sc. (Hon.)



I, Al E. Hunter, of Vancouver, British Columbia, Canada, do hereby certify the following:

1. I am a geophysicist, employed by Strato Geological Engineering Ltd. of 3566 King George Highway, Surrey, B.C.
2. I completed the Bachelor of Applied Science program in Geological Engineering with a specialization in Geophysics at the University of British Columbia, Vancouver, British Columbia in 1981.
3. Since leaving university I have practiced my profession in western and northern Canada and in the western U.S.A. for approximately 6 years.
4. I have no direct, indirect or contingent interest, nor do I expect to receive any such interest, in the securities or properties of Bordeaux Resources Ltd.

DATED at Surrey, British Columbia, this 20th day of November, 1987.



A. E. Hunter, Geophysicist

**APPENDIX I**  
**GEOCHEMICAL ANALYTICAL PROCEDURES**



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

Geochemical Analysis for Uranium

0.5 gram samples are digested with hot aqua regia and diluted to 10 ml.

Aliquots of the acid extract are solvent extracted using a salting agent and aliquots of the solvent extract are fused with NaF,  $K_2CO_3$  and  $Na_2CO_3$  flux in a platinum dish.

The fluorescence of the pellet is determined on the Jarrel Ash Fluorometer.

Geochemical Analysis for Fluorine

0.25 gram samples are fused with sodium hydroxide and leached with 10 ml water. The solution is neutralized, buffered, adjusted to pH 7.8 and diluted to 100 ml.

Fluorine is determined by Specific Ion Electrode using an Orion Model 404 meter.

Geochemical Analysis for Tin

1.0 gram samples are fused with ammonium iodide in a test tube. The sublimed iodine is leached with dilute hydrochloric acid.

The solution is extracted with MIBK and tin is determined in the extract by Atomic Absorption.

Geochemical Analysis for Chromium

0.1 gram samples are fused with  $Na_2O_2$ . The melt is leached with HCl and analysed by AA or ICP. Detection 1 ppm.

Geochemical Analysis for Hg

0.5 gram samples is digested with aqua regia and diluted with 20% HCl.

Hg in the solution is determined by cold vapour AA using a F & J scientific Hg assembly. An aliquot of the extract is added to a stannous chloride./hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is measured by AA.

Geochemical Analysis for Ga & Ge

0.5 gram samples are digested with hot aqua regia with HF in pressure bombs.

Ga and Ge in the solution are determined by graphite furnace AA. Detection 1 ppm.

Geochemical Analysis for Tl (Thallium)

0.5 gram samples are digested with 1:1  $HNO_3$ . Tl is determined by graphite AA. Detection .1 ppm.

Geochemical Analysis for Te (Tellurium)

0.5 gram samples are digested with hot aqua regia. The Te extracted in MIBK is analysed by AA graphite furnace. Detection .1 ppm.

Geochemical Whole Rock

0.1 gram is fused with .6 gm  $LiBO_2$  and dissolved in 50 mls 5%  $HNO_3$ . Analysis is by ICP or M.S. ICP gives excellent precision for major components. The M.S. can analyze for up to 50 elements.



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

857 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone: 253-3158

GEOCHEMICAL LABORATORY METHODOLOGY

Sample Preparation

1. Soil samples are dried at 60°C and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis (AA and ICP)

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water. Extracted metals are determined by :

A. Atomic Absorption (AA)

Ag\*, Bi\*, Cd\*, Co, Cu, Fe, Ga, In, Mn, Mo, Ni, Pb, Sb\*, Tl, V, Zn  
(\* denotes with background correction.)

B. Inductively Coupled Argon Plasma (ICP)

Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Geochemical Analysis for Au\*

10.0 gram samples that have been ignited overnight at 600°C are digested with 30 mls hot dilute aqua regia, and 75 mls of clear solution obtained is extracted with 5 mls Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 1 ppb).

Geochemical Analysis for Au\*\*, Pd, Pt, Rh

10.0 - 30.0 gram samples are subjected to Fire Assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au, Pd, Pt, and Rh are determined in the solution by graphite furnace Atomic Absorption. Detections - Au=1 ppb; Pd, Pt, Rh=5 ppt

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regia and diluted to 10 ml. As is determined in the solution by Graphite Furnace Atomic Absorption (AA) or by Inductively Coupled Argon Plasma (ICP).

Geochemical Analysis for Barium

0.25 gram samples are digested with hot NaOH and EDTA solution, and diluted to 20 ml.

Ba is determined in the solution by ICP.

Geochemical Analysis for Tungsten

0.25 gram samples are digested with hot NaOH and EDTA solution, and diluted to 20 ml. W in the solution determined by ICP with a detection of 1 ppm.

Geochemical Analysis for Selenium

0.5 gram samples are digested with hot dilute aqua regia and dilute to 10 ml with H<sub>2</sub>O. Se is determined with NaBH<sub>3</sub> with Flameless AA. Detection 0.1 ppm.

**APPENDIX II**  
**GEOCHEMICAL ANALYTICAL RESULTS AND**  
**HISTOGRAMS**

**GEOCHEMICAL ICP ANALYSIS**

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1-7 SOIL P8-STREAM SEDIMENT AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

*P-20A & H PULVERIZED*  
 ASSAYER: *D. J. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

STRATO GEO. ENG. LTD. File # 87-4412 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG 13+00N 0+00E	89	18	97	.5	11	4
RG 13+00N 0+50E	211	22	145	.4	16	1
RG 13+00N 1+00E	93	9	216	.3	19	16
RG 13+00N 1+50E	185	12	366	1.1	23	6
RG 13+00N 2+00E	77	14	103	.2	18	5
RG 13+00N 2+50E	102	9	139	.4	14	2
RG 13+00N 3+00E	80	15	148	.6	13	8
RG 13+00N 3+50E	108	8	133	.4	14	99
RG 13+00N 4+00E	124	19	135	.6	15	16
RG 13+00N 4+25E	84	6	342	.3	16	17
RG 13+00N 4+50E	111	12	481	.7	16	62
RG 13+00N 4+75E	57	13	205	.2	14	19
RG 13+00N 5+00E	28	12	123	.2	19	6
RG 13+00N 5+25E	21	8	86	.1	16	8
RG 13+00N 5+50E	58	10	511	.8	23	6
RG 13+00N 5+75E	26	7	75	.1	18	7
RG 13+00N 6+00E	30	10	59	.1	20	1
RG 13+00N 6+25E	25	11	67	.1	20	1
RG 13+00N 6+50E	56	8	82	.4	23	1
RG 13+00N 6+75E	56	7	89	.1	20	2
RG 13+00N 7+00E	44	8	97	.1	29	1
RG 13+00N 7+50E	77	3	93	.1	37	1
RG 13+00N 8+00E	25	2	90	.2	19	1
RG 13+00N 8+50E	51	8	108	.1	35	1
RG 12+00N 0+00E	546	13	298	.6	19	25
RG 12+00N 0+50E	141	13	124	.2	21	14
RG 12+00N 1+00E	93	9	152	.7	21	1
RG 12+00N 1+50E	99	13	125	.5	18	3
RG 12+00N 2+00E	102	8	147	.6	21	11
RG 12+00N 2+50E	112	9	226	.7	19	16
RG 12+00N 3+00E	165	9	126	1.2	17	81
RG 12+00N 3+50E	203	10	121	.6	19	112
RG 12+00N 4+00E	164	13	164	.7	17	42
RG 12+00N 4+25E	64	10	145	.2	16	7
RG 12+00N 4+50E	55	7	302	.3	8	1
RG 12+00N 4+75E	29	6	414	.8	22	1
STD C/AU-S	59	39	131	7.1	67	50

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG 12+00N 5+25E	17	13	120	.1	10	1
RG 12+00N 5+50E P	16	5	170	.3	7	1
RG 12+00N 5+75E P	35	17	107	.4	19	1
RG 12+00N 6+00E P	9	9	103	.1	2	1
RG 12+00N 6+25E P	98	4	87	.3	17	1
RG 12+00N 6+50E	94	8	94	.2	26	1
RG 12+00N 6+75E	51	2	78	.1	23	1
RG 12+00N 7+00E	61	10	66	.2	30	1
RG 12+00N 7+50E	68	9	69	.1	27	1
RG 12+00N 8+00E	42	8	80	.1	26	1
RG 12+00N 8+50E	35	7	87	.1	19	1
RG 11+00N 0+00E	50	14	195	.6	15	1
RG 11+00N 0+50E	58	58	416	.7	16	1
RG 11+00N 1+00E	78	19	197	.4	16	1
RG 11+00N 1+50E	59	10	135	.2	16	1
RG 11+00N 2+00E	57	16	122	.3	18	1
RG 11+00N 2+50E	92	11	204	.4	15	5
RG 11+00N 3+00E	186	18	300	1.6	17	176
RG 11+00N 3+50E	140	23	154	1.8	18	145
RG 11+00N 4+00E	129	12	232	1.0	17	62
RG 11+00N 4+25E	105	11	318	.9	14	82
RG 11+00N 4+50E	90	14	413	.8	14	9
RG 11+00N 4+75E	79	12	264	.7	16	20
RG 11+00N 5+00E	54	14	186	.8	13	6
RG 11+00N 5+25E P	10	2	158	.1	3	1
RG 11+00N 5+50E P	106	14	142	1.8	12	13
RG 11+00N 5+75E P	9	5	61	.1	2	1
RG 11+00N 6+00E	132	16	91	.3	26	18
RG 11+00N 6+25E	34	9	84	.1	20	1
RG 11+00N 6+50E	40	4	99	.1	22	1
RG 11+00N 6+75E	67	9	83	.2	27	1
STD C/AU-S	60	37	130	7.0	67	48
RG 11+00N 7+00E	97	5	70	.3	33	1
RG 11+00N 7+50E	34	6	54	.1	15	1
RG 11+00N 8+00E	38	7	63	.1	21	1
RG 11+00N 8+50E	37	7	59	.1	16	1
RG 10+00N 0+00E	46	26	350	.8	18	3

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG 10+00N 0+50E	36	5	122	.4	12	1
RG 10+00N 1+00E	48	23	186	.5	18	1
RG 10+00N 1+50E	54	18	143	.5	14	191
RG 10+00N 2+00E	59	10	127	.3	14	5
RG 10+00N 2+50E	48	12	133	.4	14	14
RG 10+00N 3+00E	151	19	168	.5	13	70
RG 10+00N 3+50E	105	13	266	.7	15	9
RG 10+00N 4+00E	106	13	215	.5	12	23
RG 10+00N 4+25E	155	11	167	1.3	11	27
RG 10+00N 4+50E	141	16	214	1.2	12	33
RG 10+00N 4+75E	94	16	249	.6	12	28
RG 10+00N 5+00E	62	21	258	.8	11	7
RG 10+00N 5+25E	22	9	255	.8	12	1
RG 10+00N 5+50E	41	13	93	.2	16	1
RG 10+00N 5+75E	97	10	111	.9	24	1
RG 10+00N 6+00E	61	4	165	.6	21	1
RG 10+00N 6+25E	72	6	95	.1	29	1
RG 10+00N 6+50E	43	3	84	.1	23	1
RG 10+00N 6+75E	37	11	74	.1	21	10
RG 10+00N 7+00E	62	4	56	.1	25	1
RG 10+00N 7+50E	33	3	58	.1	24	1
RG 10+00N 8+00E	61	5	64	.2	25	1
RG 10+00N 8+50E	43	8	56	.3	18	13
RG 9+00N 0+00E	49	15	113	.5	16	1
RG 9+00N 0+50E	65	15	136	.3	29	5
RG 9+00N 1+00E	45	18	175	.7	15	1
RG 9+00N 1+50E	66	16	135	.5	16	1
RG 9+00N 2+00E	46	9	173	.4	11	1
RG 9+00N 2+50E	49	18	294	.7	15	1
RG 9+00N 3+00E	51	13	209	.3	14	1
RG 9+00N 3+25E	167	15	154	1.7	20	250
RG 9+00N 3+50E	68	12	148	.7	15	1
RG 9+00N 3+75E	73	14	246	.5	10	120
RG 9+00N 4+00E	60	29	277	.4	13	57
RG 9+00N 4+50E	114	36	251	2.2	16	17
RG 9+00N 5+00E	57	44	286	1.0	12	7
STD C/AU-S	59	39	131	7.0	68	52



SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG 9+00N 5+25E	134	20	232	.8	15	380
RG 9+00N 5+50E	64	12	162	.3	15	10
RG 9+00N 5+75E	47	18	185	.6	13	11
RG 9+00N 6+00E	20	4	98	.7	2	1
RG 9+00N 6+25E	91	17	140	1.7	15	30
RG 9+00N 6+50E	34	8	80	.5	4	2
RG 9+00N 6+75E	43	5	85	.6	17	1
RG 9+00N 7+00E	89	4	69	.1	26	1
RG 9+00N 7+50E	134	7	58	.3	33	1
RG 9+00N 8+00E	45	2	90	.2	23	2
RG 9+00N 8+50E	73	7	85	.1	32	1
RG 8+00N 0+00E	73	9	144	.6	20	5
RG 8+00N 0+50E	87	17	158	.6	18	22
RG 8+00N 1+00E	33	13	169	.2	15	8
RG 8+00N 1+50E	37	16	235	.4	16	1
RG 8+00N 2+00E	83	17	137	.7	14	8
RG 8+00N 2+50E	60	17	134	.5	12	3
RG 8+00N 3+00E	68	18	164	.9	14	13
RG 8+00N 3+50E	89	22	177	.7	16	26
RG 8+00N 4+00E	49	14	127	.3	14	2
RG 8+00N 4+25E	76	4	89	.3	12	1
RG 8+00N 4+50E	120	11	131	1.5	20	10
RG 8+00N 4+75E	39	18	246	.5	11	8
RG 8+00N 5+00E	62	17	161	.3	14	13
RG 8+00N 5+25E	27	9	123	.4	13	3
RG 8+00N 5+50E	89	16	111	.2	18	25
RG 8+00N 5+75E	46	24	102	.2	21	7
RG 8+00N 6+00E	59	10	122	.5	21	9
RG 8+00N 6+25E	75	11	102	.4	25	53
RG 8+00N 6+50E	124	5	87	.4	34	8
RG 8+00N 6+75E	56	5	82	.1	33	1
RG 8+00N 7+00E	48	6	65	.4	22	1
RG 8+00N 7+50E	52	3	71	.1	16	1
RG 8+00N 8+00E	60	8	73	.1	28	1
RG 8+00N 8+50E	39	7	75	.1	21	1
RG 7+00N 0+00E	50	13	141	.2	22	3
STD C/AU-S	59	39	132	6.9	67	-

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG 7+00N 0+50E	46	15	121	.4	13	5
RG 7+00N 1+00E	56	11	175	.3	19	4
RG 7+00N 1+50E	49	4	120	.4	13	1
RG 7+00N 2+00E	53	4	100	.4	16	1
RG 7+00N 2+50E	37	12	201	1.0	12	3
RG 7+00N 3+00E	114	12	204	1.0	16	12
RG 7+00N 3+50E	45	2	155	.9	14	1
RG 7+00N 4+00E	53	8	125	.3	13	1
RG 7+00N 4+25E	104	6	155	.8	16	31
RG 7+00N 4+75E	47	3	91	.2	15	7
RG 7+00N 5+00E	37	5	85	.1	16	2
RG 7+00N 5+25E	34	4	114	.3	16	2
RG 7+00N 5+50E	42	3	117	.3	15	2
RG 7+00N 5+75E	37	2	86	.2	18	15
RG 7+00N 6+00E	78	3	70	.3	29	1
RG 7+00N 6+25E	123	6	103	1.0	28	2
RG 7+00N 6+50E	76	3	84	.1	27	1
RG 7+00N 6+75E	98	3	83	.1	13	2
RG 7+00N 7+00E	45	4	76	.2	29	1
RG 7+00N 7+50E	24	4	75	.1	18	1
RG 7+00N 8+00E	53	2	80	.1	26	2
RG 7+00N 8+50E	50	2	71	.2	20	1
RG 6+00N 0+00E	33	10	198	.3	18	3
RG 6+00N 0+50E	46	13	158	.1	19	3
RG 6+00N 1+00E	49	13	211	.3	18	6
RG 6+00N 1+50E	35	10	150	.1	13	1
RG 6+00N 2+00E	64	8	108	.4	13	11
RG 6+00N 2+50E	51	12	110	.4	14	5
RG 6+00N 3+00E	73	48	228	.4	17	12
RG 6+00N 3+50E	117	12	189	.5	17	2
RG 6+00N 4+00E	97	17	152	.7	13	59
RG 6+00N 4+25E	57	11	206	1.1	16	2
RG 6+00N 4+50E	54	7	176	.3	14	3
RG 6+00N 4+75E	47	5	108	.1	17	1
RG 6+00N 5+00E	36	7	120	.2	12	1
RG 6+00N 5+25E	53	8	165	.4	13	1
STD C/AU-S	59	36	132	6.9	68	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG 6+00N 5+50E	37	18	172	.8	10	1
RG 6+00N 5+75E	119	6	122	.6	101	1
RG 6+00N 6+00E	102	9	112	.3	37	1
RG 6+00N 6+25E	41	5	146	.3	20	3
RG 6+00N 6+50E	81	15	110	.8	33	248
RG 6+00N 6+75E	49	11	88	.9	21	6
RG 6+00N 7+00E	64	2	66	.4	28	1
RG 6+00N 7+50E	75	9	86	.4	28	1
RG 6+00N 8+00E	65	8	80	.1	25	1
RG 6+00N 8+50E	100	8	99	.3	17	1
RG 5+00N 0+00E	56	20	238	.4	17	1
RG 5+00N 0+50E	46	17	142	.3	18	5
RG 5+00N 1+00E	50	24	159	1.2	8	81
RG 5+00N 2+00E	66	16	132	.5	13	8
RG 5+00N 2+50E	77	12	128	.7	14	7
RG 5+00N 3+00E	55	16	140	.5	14	11
RG 5+00N 3+50E	44	9	142	.3	14	14
RG 5+00N 4+00E	30	12	121	.2	13	1
RG 5+00N 4+25E	43	11	116	.5	15	1
RG 5+00N 4+50E	56	5	114	.5	14	1
RG 5+00N 4+75E	48	9	125	.4	14	14
RG 5+00N 5+00E	106	4	136	.7	10	23
RG 5+00N 5+25E	51	11	122	.3	17	1
RG 5+00N 5+50E	84	15	118	.6	16	1
RG 5+00N 5+75E	56	10	114	.4	35	1
RG 5+00N 6+00E	82	8	96	.3	38	1
RG 5+00N 6+25E	45	12	89	.3	30	1
RG 5+00N 6+50E	35	15	118	.3	29	1
RG 5+00N 6+75E	57	13	111	.3	32	3
RG 5+00N 7+00E	47	2	92	.5	28	1
RG 5+00N 7+50E	60	6	93	.5	27	1
RG 5+00N 8+00E	69	3	81	.5	26	2
RG 5+00N 8+50E	77	5	91	.5	20	1
RG 4+00N 0+00E	39	14	182	.4	16	2
RG 4+00N 0+50E	50	10	140	.2	19	1
RG 4+00N 1+00E	37	11	134	.3	17	1
STD C/AU-S	59	43	131	7.3	67	51

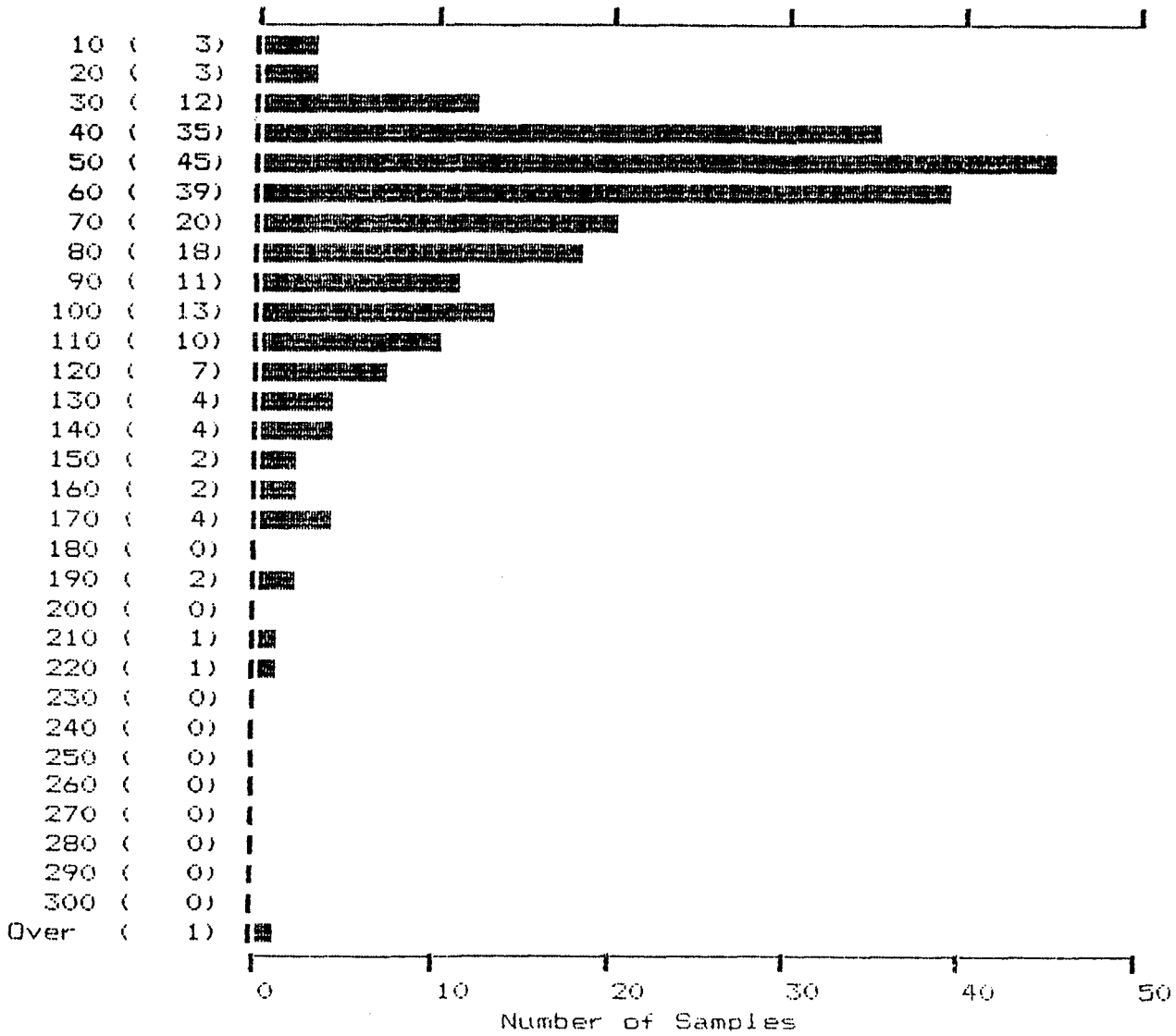
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RG 4+00N 1+50E	80	17	106	.8	14	27
RG 4+00N 2+00E	60	13	128	.5	11	33
RG 4+00N 2+50E	43	12	176	.9	14	1
RG 4+00N 3+00E	33	10	109	.5	14	2
RG 4+00N 3+50E	36	17	112	.6	15	1
RG 4+00N 4+00E	41	7	105	.2	15	2
RG 4+00N 4+25E	28	6	93	.2	15	2
RG 4+00N 4+50E	40	6	141	.1	15	1
RG 4+00N 4+75E	35	10	128	.4	14	1
RG 4+00N 5+00E	43	11	126	.4	17	5
RG 4+00N 5+25E	40	4	116	.2	14	1
RG 4+00N 5+50E	36	9	86	.4	21	2
RG 4+00N 5+75E	39	16	101	.3	36	12
RG 4+00N 6+00E	55	12	110	.2	75	2
RG 4+00N 6+25E	44	14	115	.2	37	1
RG 4+00N 6+50E	37	8	90	.5	28	1
RG 4+00N 6+75E	41	5	127	.1	41	9
RG 4+00N 7+00E	65	6	132	.4	34	1
RG 4+00N 7+50E	60	12	115	.3	25	1
RG 4+00N 8+00E	164	7	144	.2	23	2
RG 4+00N 8+50E	38	5	108	.1	15	1
STD C/AU-S	59	38	130	7.0	68	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AU* PPB
RG-001	52	10	123	.6	18	3
RG-002	36	11	111	.6	15	3
RG-003	57	17	103	.3	13	18
RG-004	59	16	114	.8	11	15
RG-005	61	12	112	.6	15	10
STD C/AU-S	59	38	130	7.0	68	50

STRATO GEOLOGICAL (87-4412)

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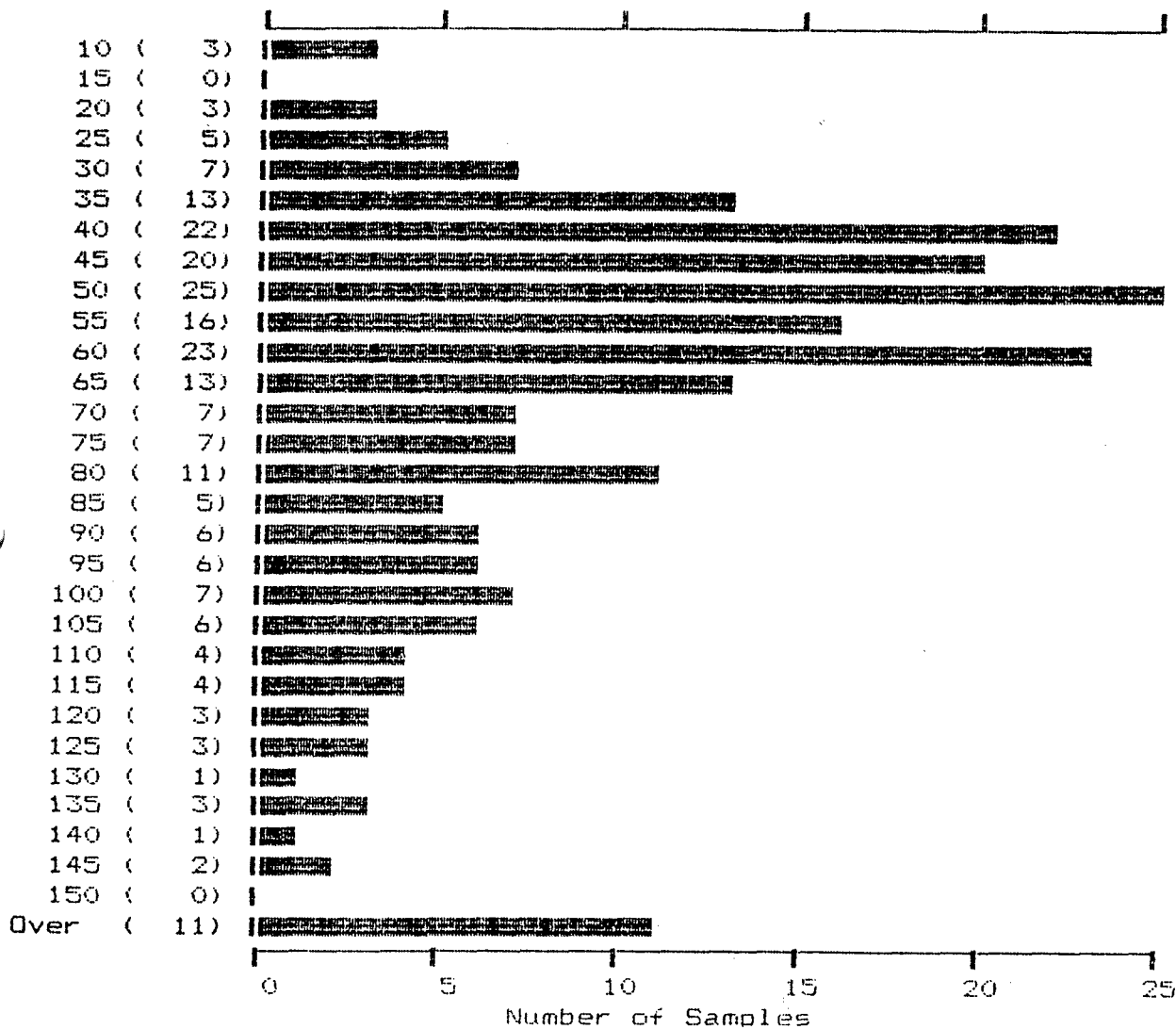
CU  
(PPM)



237 Samples	Maximum: 546	Mean: 68
	Minimum: 9	Median: 56
		Standard Deviation: 48

STRATO GEOLOGICAL (87-4412)

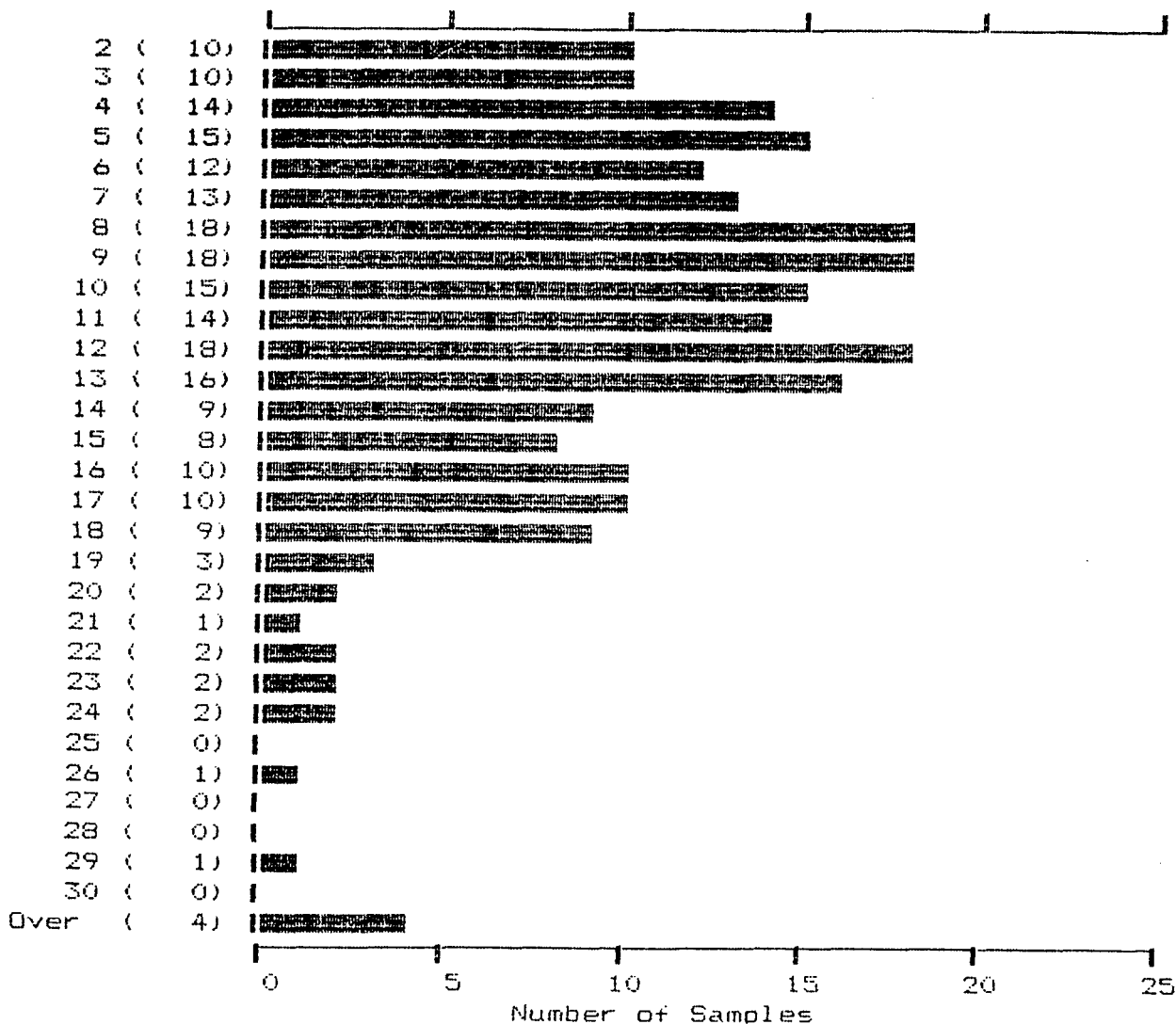
CU  
(PPM)



237 Samples	Maximum: 546	Mean: 68
	Minimum: 9	Median: 56
		Standard Deviation: 48

STRATO GEOLOGICAL (87-4412)

FB  
(PPM)



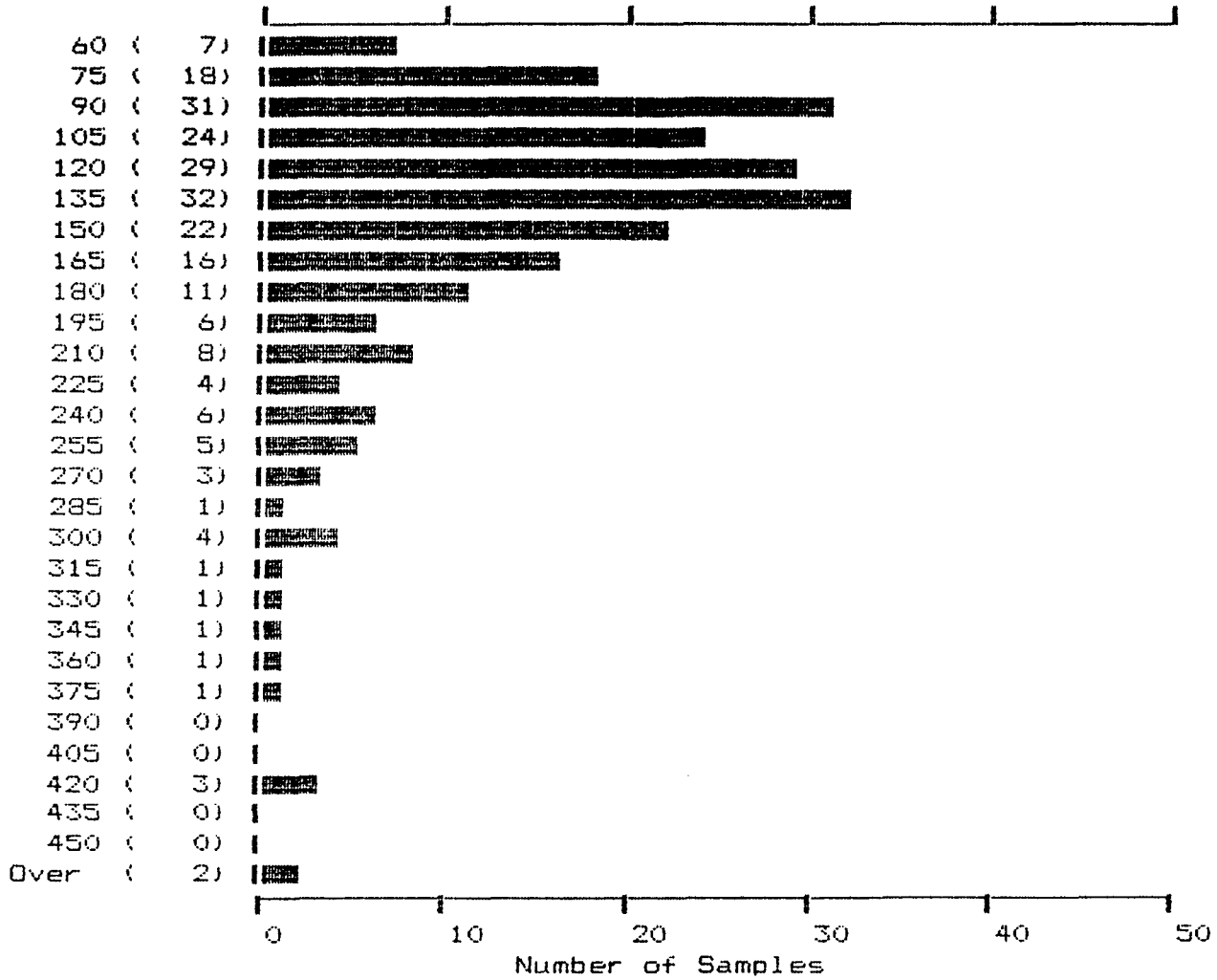
237 Samples	Maximum: 58	Mean: 11
	Minimum: 2	Median: 10
		Standard Deviation: 7



STRATO GEOLOGICAL (87-4412)

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ZN  
(PPM)



237 Samples

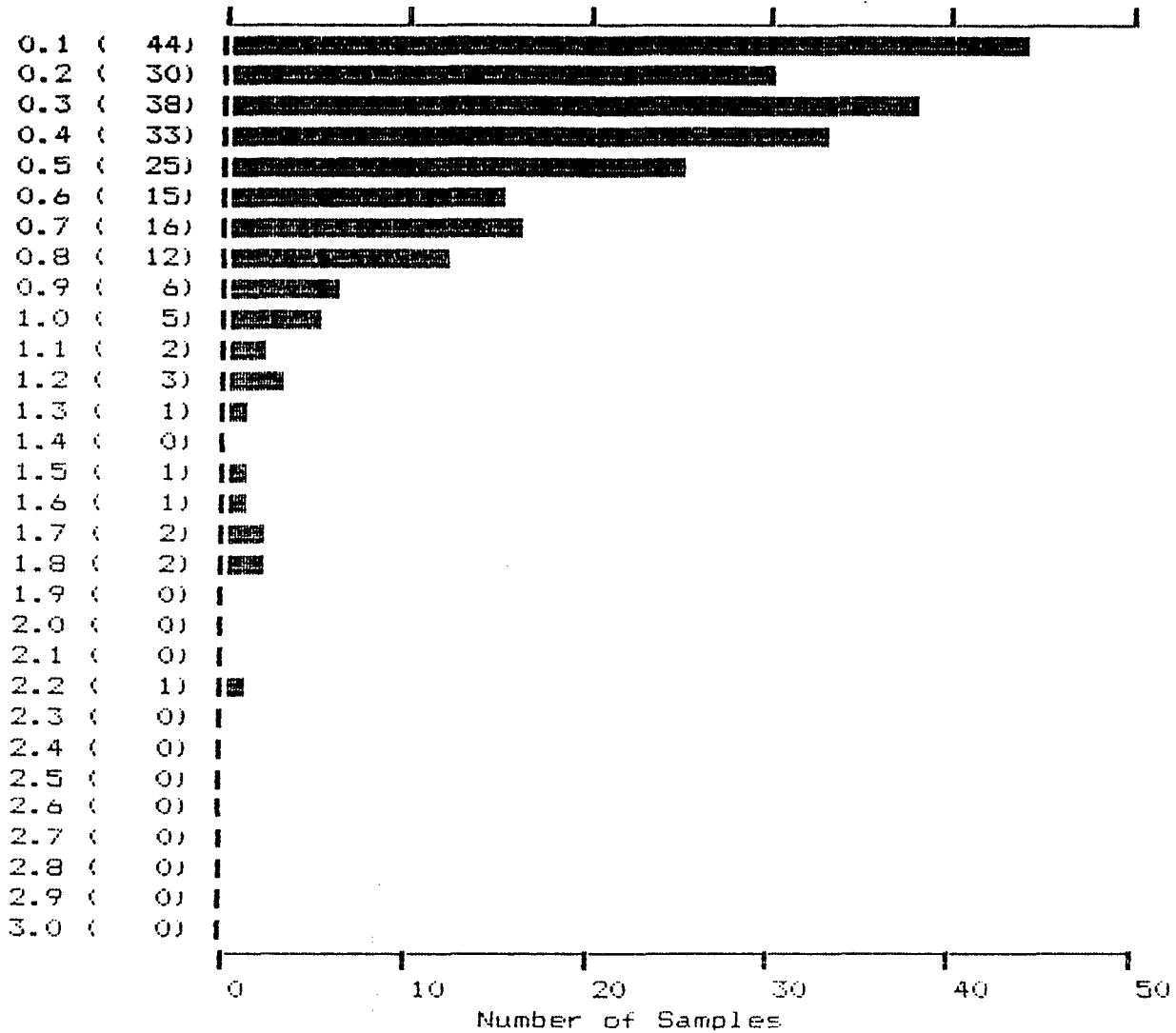
Maximum: 511  
Minimum: 54

Mean: 143  
Median: 123  
Standard Deviation: 75

STRATO GEOLOGICAL (87-4412)

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AG  
(PPM)

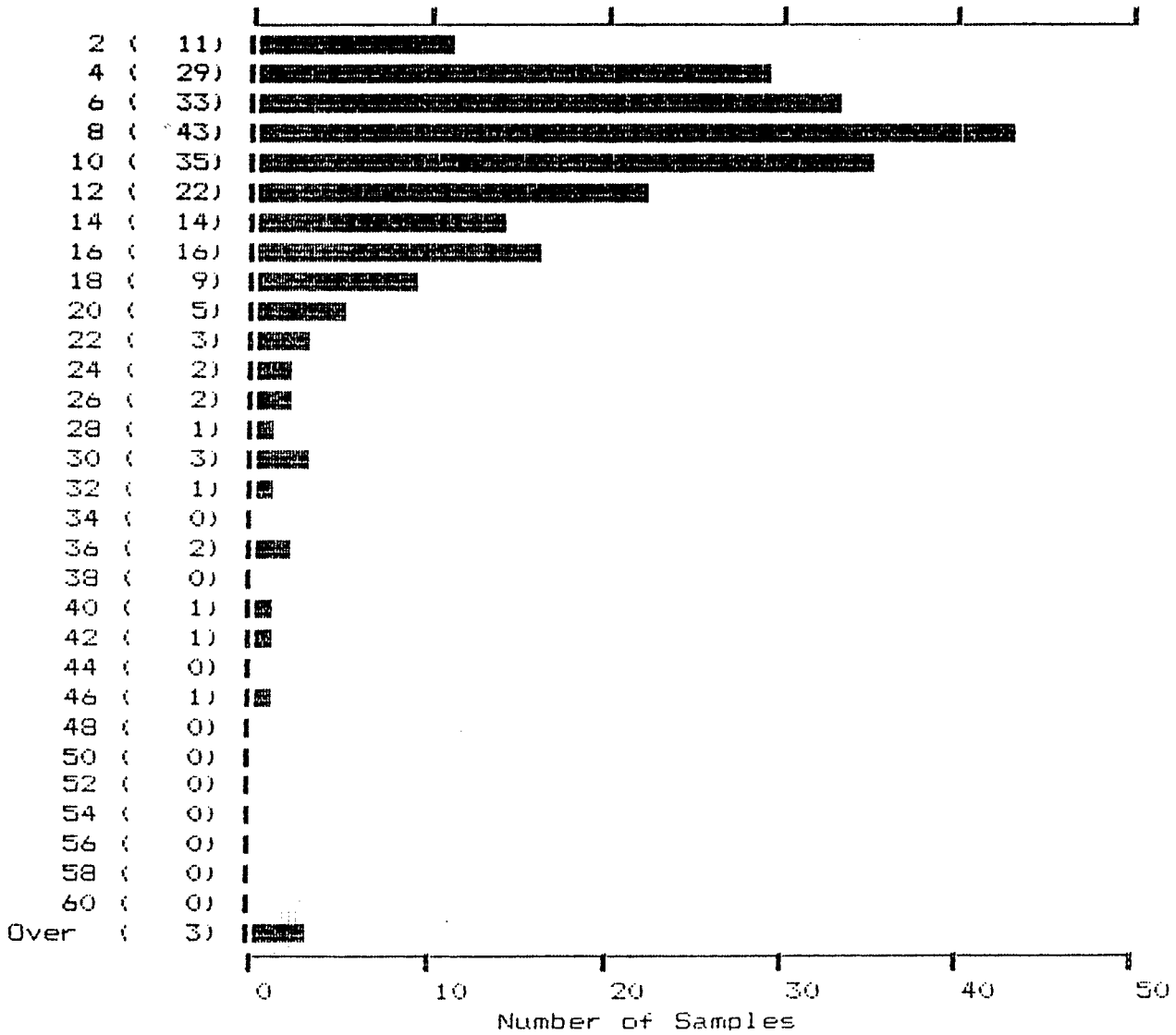


237 Samples	Maximum: 2.2	Mean: 0.5
	Minimum: 0.1	Median: 0.4
		Standard Deviation: 0.4

STRATO GEOLOGICAL (87-4412)

---

AS  
(PPM)



237 Samples

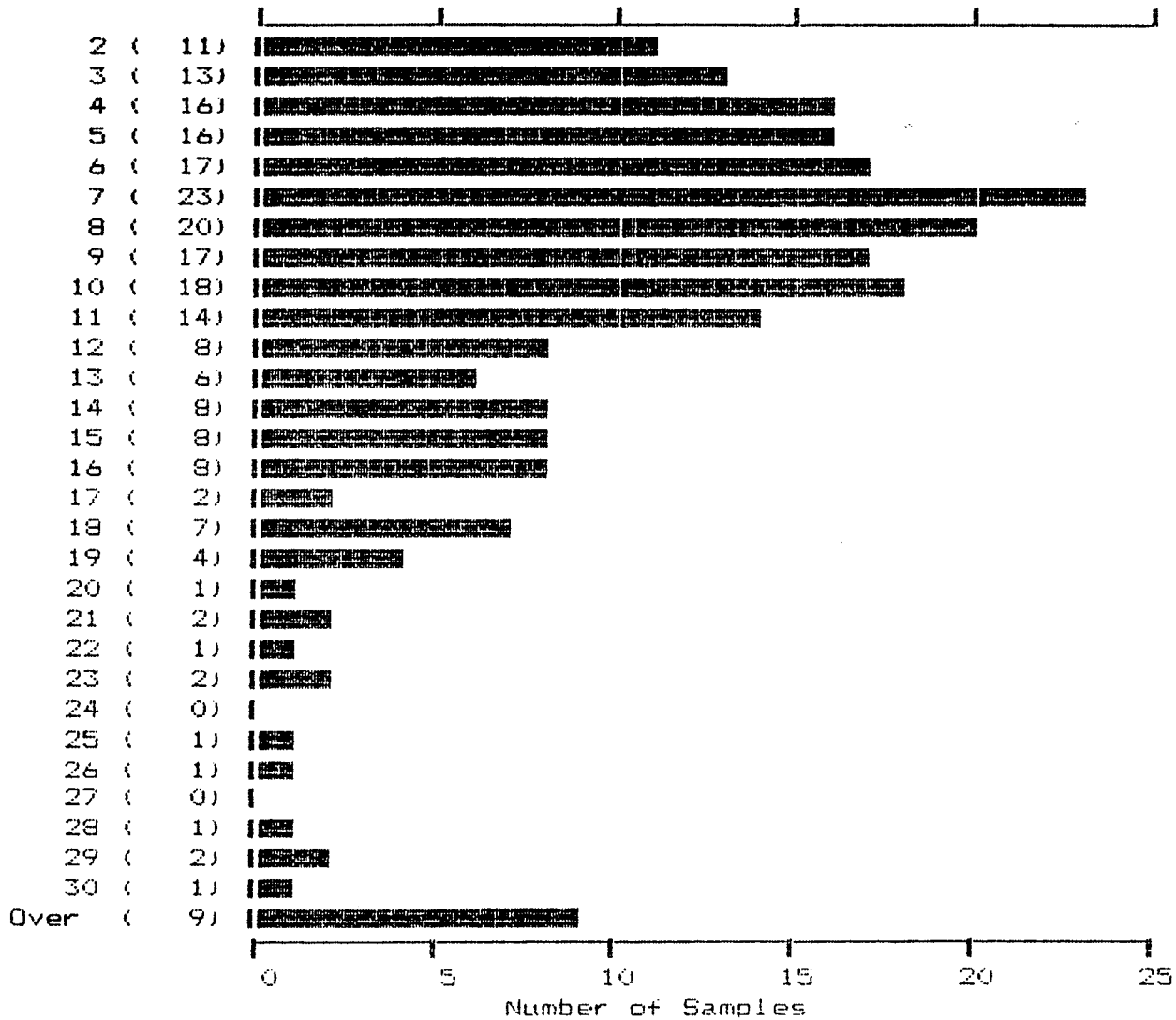
Maximum: 125  
Minimum: 2

Mean: 11  
Median: 9  
Standard Deviation: 12

STRATO GEOLOGICAL (87-4412)

---

AS  
(PPM)

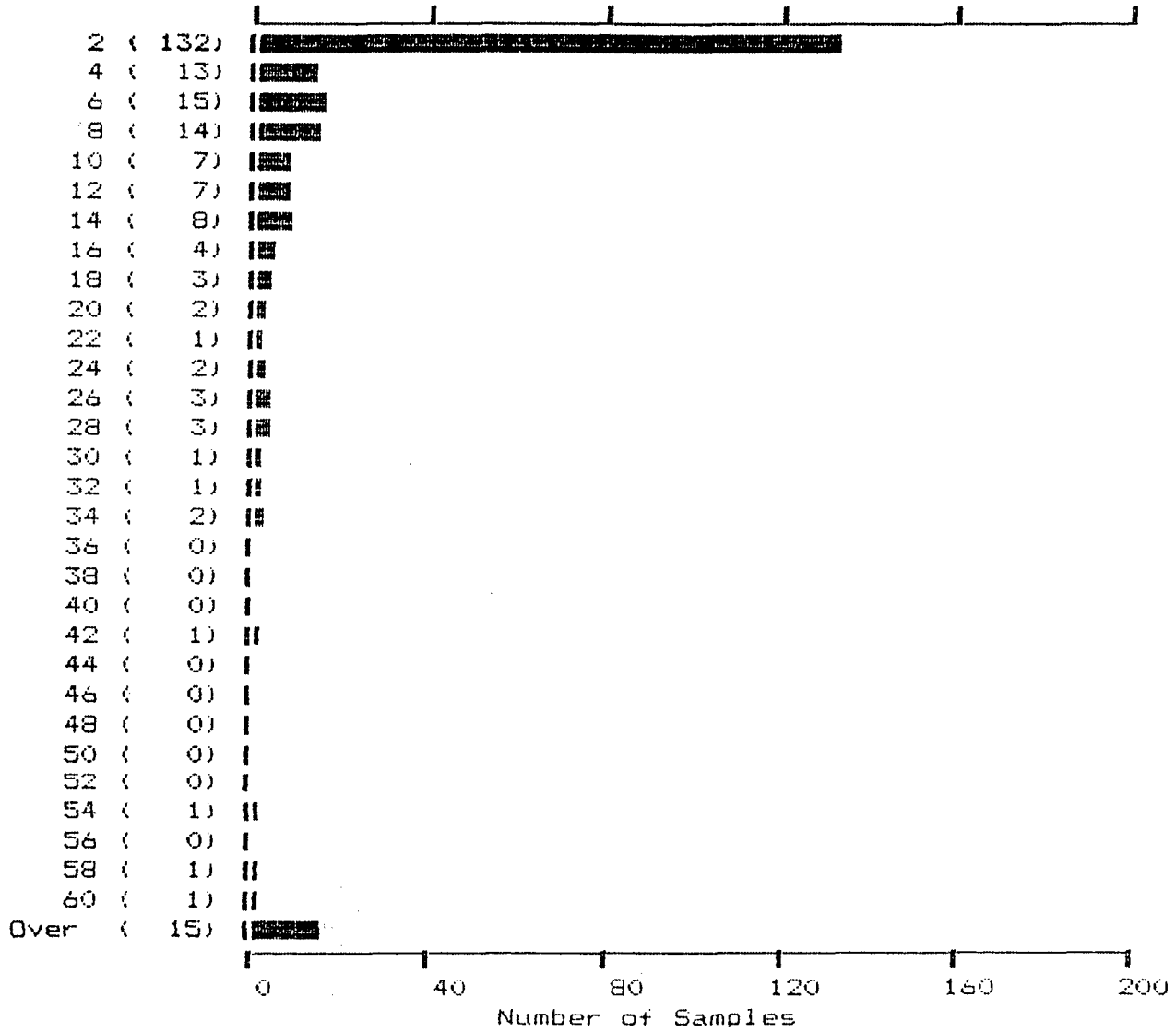


237 Samples	Maximum:	125	Mean:	11
	Minimum:	2	Median:	9
			Standard Deviation:	12

STRATO GEOLOGICAL (87-4412)

---

AU\*  
(FPB)



237 Samples

Maximum: 380

Mean: 15

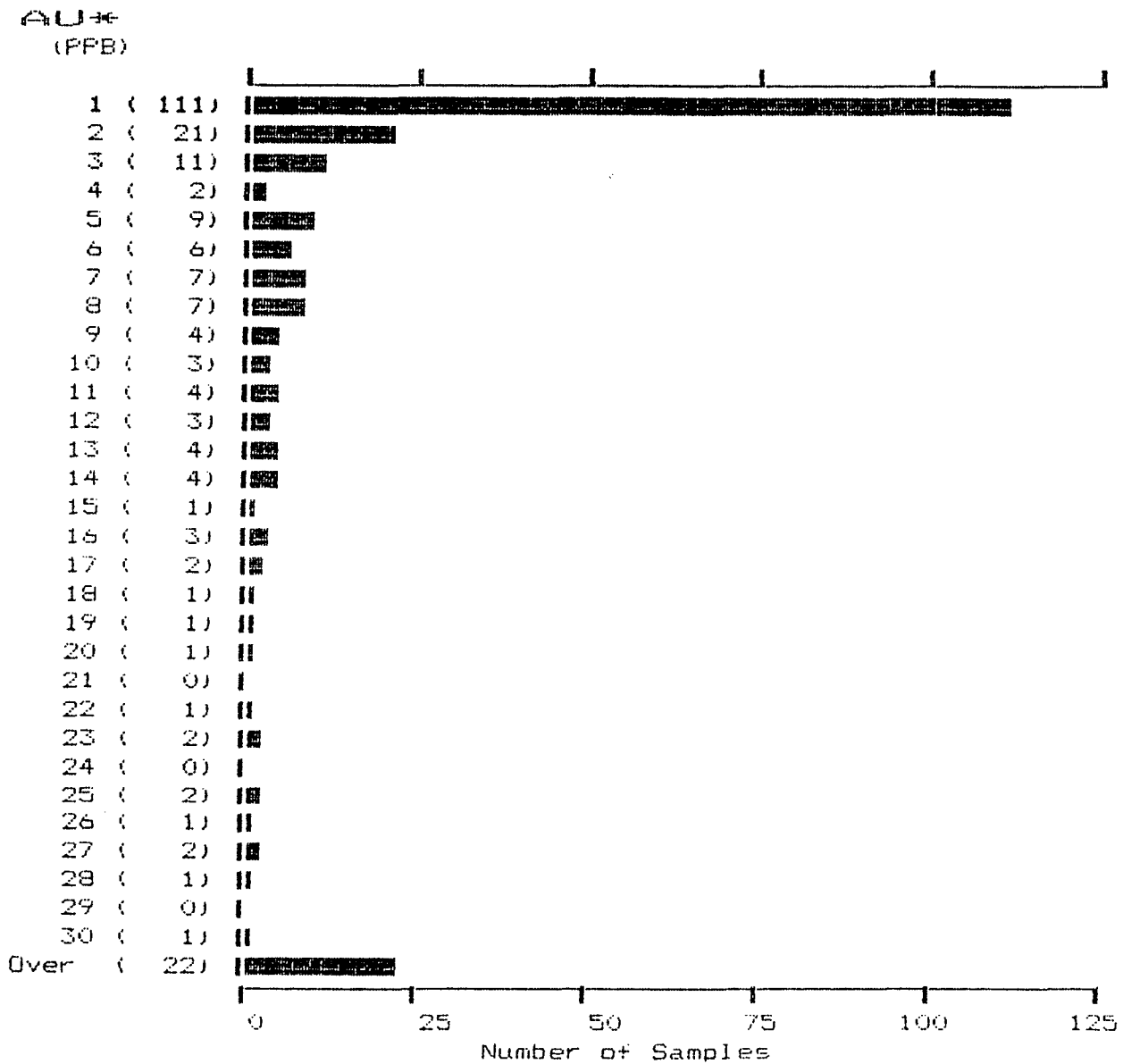
Minimum: 1

Median: 2

Standard Deviation: 41

STRATO GEOLOGICAL (87-4412)

---



237 Samples

Maximum: 380

Mean: 15

Minimum: 1

Median: 2

Standard Deviation: 41

**APPENDIX III**  
**FIELD AND ANALYTICAL DATA OF ROCK**  
**SAMPLES**

## GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MM FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Rock Chips      AUX ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 23 1987

DATE REPORT MAILED: *Oct 2/87*ASSAYER: *D. J. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL PROJECT-BORDEAUX RES.      File # 87-4380

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
GRASSHOPPER RD.#1	1	129	9	54	.1	12	13	615	3.16	2	5	ND	1	87	1	3	2	57	1.18	.101	5	6	1.23	20	.20	2	1.92	.06	.16	1	11
LW8 SMALL ROAD	1	400	525	72	2.7	4	3	454	1.64	12	5	ND	3	14	1	12	2	8	.23	.035	8	2	.39	65	.01	3	.80	.08	.16	1	29
LW8 4+25E	1	76	32	27	.2	5	7	321	2.03	3	5	ND	1	6	1	4	2	53	.79	.082	2	6	.78	38	.04	2	.82	.12	.10	2	2
LW8 7+75E	1	63	7	51	.3	17	17	545	4.63	2	5	ND	1	74	1	2	2	51	1.42	.055	3	20	2.42	20	.27	2	2.94	.05	.11	1	1
LW9 4+85E	1	33	171	85	.9	4	3	1024	1.49	9	5	ND	3	184	1	2	2	12	3.05	.067	14	3	.50	322	.01	2	.88	.05	.29	1	6
LW9 725	1	154	117	46	.6	41	16	437	3.52	9	5	ND	5	150	1	4	2	59	1.18	.123	22	100	2.16	36	.22	4	2.37	.06	.28	3	4
STD C/AU-R	19	58	38	132	7.1	67	27	1030	4.05	37	16	7	37	49	17	18	22	56	.49	.084	37	58	.91	175	.08	36	1.72	.08	.12	12	480



Samples 1 to 6 are located as shown on Figure 5.

- #1 Volcanic rock, slightly fractured with a porphyritic texture.
- #2 Metasediment with small quartz lenses, apparent shearing.
- #3 Small quartz lens 7cm wide within the metasediments, abundant chlorite, mica and pyrite mineralization.
- #4 Found within shear zone. Green, thinly layered metasediment with small kink folds, some pyrite mineralization.
- #5 Greyish, fine grain quartz rich rock with large amount of epidote.
- #6 Found within shear zone. Fine grained metasediment with lenticular feldspar crystals.

**APPENDIX IV**  
**Time-Cost Distribution**

## TIME-COST DISTRIBUTION

A mineral exploration program, comprised of geological mapping, soil geochemistry, and geophysical surveys were carried out by Strato Geological Engineering Ltd., during the period September 8 to September 21, 1987. A listing of personnel and distribution of costs is as follows:

### Personnel

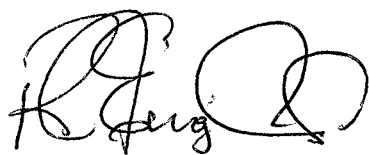
A.E. Hunter, B.A.Sc.	Geophysicist
M. Blank, B.Sc.	Geologist
M. Orman, B.Sc.	Geologist

### Cost Distribution

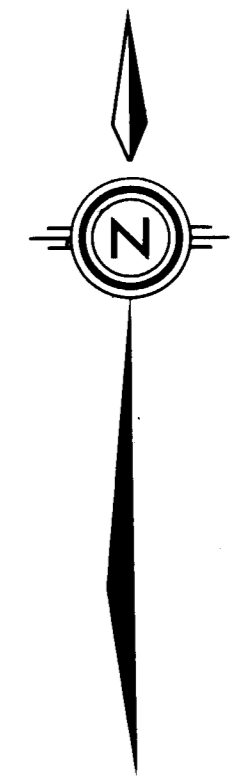
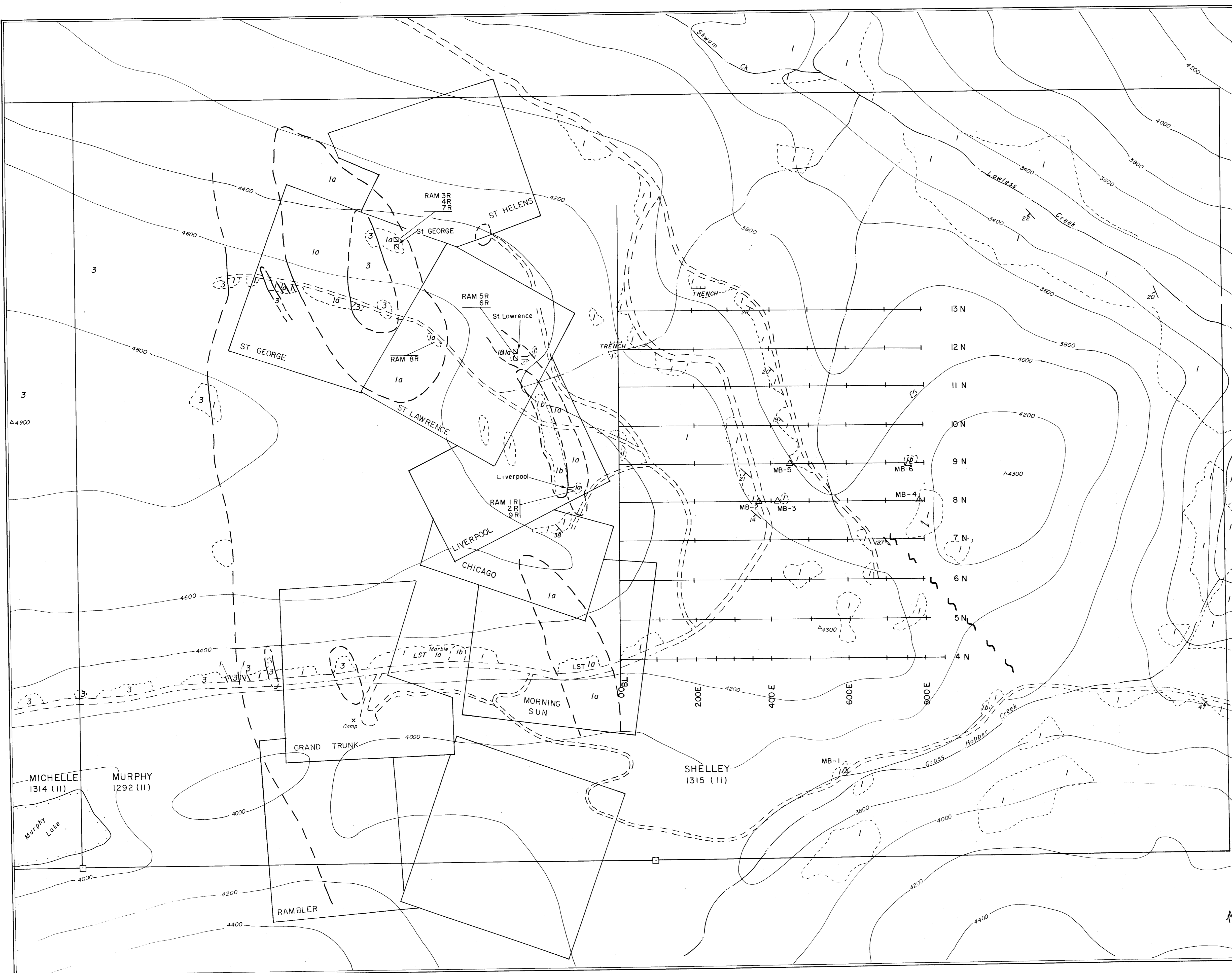
- Field crew - wages 36 mandays	\$ 7,920.00
- Room and Board 36 md @ 65/d	2,340.00
- Transportation - 4WD Trucks (incl. mileage, gas, oil, etc.) Nissan 8 days, Chev 3/4 T, 14 days	2,310.00
- Geophysical equipment MP 2 Magnetometer (2 wks @ 350/wk) VLF-EM receiver (2 wks @ 210/wk)	1,120.00
- Sample Analysis - 235 soils and 5 silts for Cu, Zn, Pb, Ag, Ni, Au and 6 Rock geochem., (30 element & Au)	2,705.00
- Data processing, analysis, plotting, etc. (4 days @ 225/d)	900.00
- Maps & report - drafting, reproduction, copying, typing, etc.	1,320.00

- Geological/Geochemical Report	1,500.00
- Contingencies - shipping, field supplies, L.D. telephone, office expense, etc.	<u>442.30</u>
<p style="text-align: right;">TOTAL</p>	<u>\$20,557.30</u>

Signed



Strato Geological Engineering Ltd.



- 3 Eagle Granodiorite
- 1 NICOLA GROUP  
andesites, metasediments, greenschists,  
sericite schists, limestone  
1a - limestone  
1b - feldspar porphyry
- $\frac{19}{\text{---}}$  STRIKE / DIP
- $\text{---}$  ADIT
- L OUTCROP
- $\text{---}$  GEOLOGIC CONTACT
- RAM IR | ROCK SAMPLE LOCATION
- $\text{---}$  LOGGING ROAD
- $\text{---}$  CREEK
- LCP
- △ ROCK SAMPLE LOCATIONS

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

# 16,826

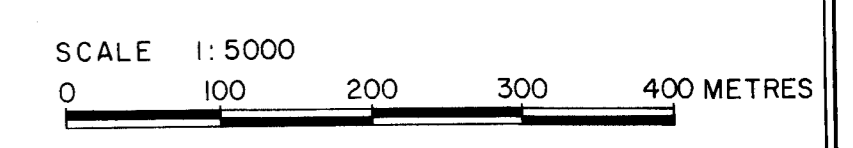
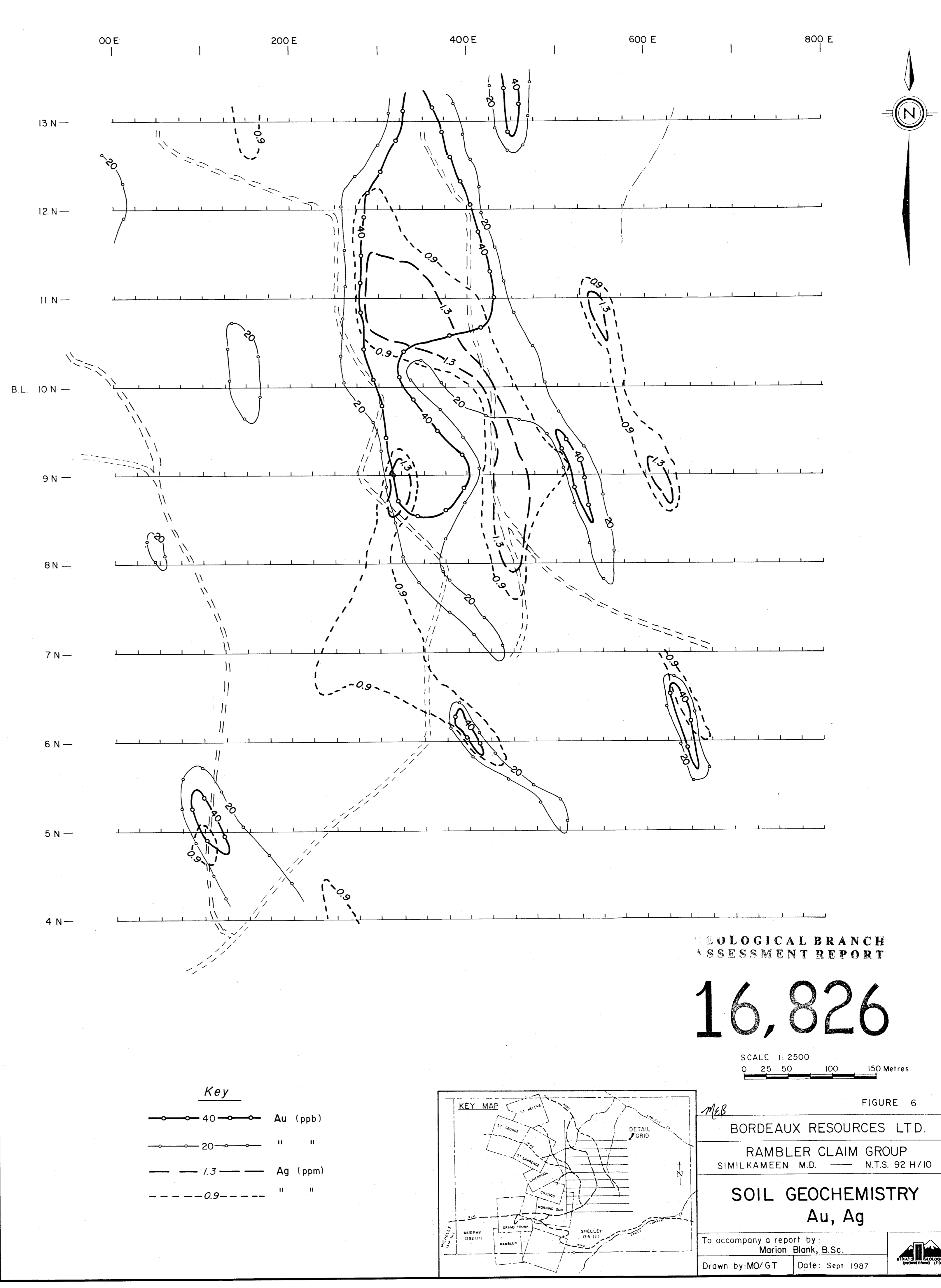


FIGURE 5

<b>BORDEAUX RESOURCES LTD.</b>	
RAMBLER CLAIM GROUP SIMILKAMEEN M.D. — N.T.S. 92 H/10	
<b>PROPERTY GEOLOGY &amp; ROCK SAMPLE LOCATIONS</b>	
To accompany a report by:	
Drawn by: /GT	Date: Sept. 1987



SAMPLE#	CU	PB	ZN	AG	NI	AU*	PPB
RG 13+00N 0+50E	89	16	97	.5	11	4	
RG 13+00N 0+50E	211	22	145	.4	16	1	
RG 13+00N 1+00E	93	9	216	.3	19	16	
RG 13+00N 1+50E	185	12	38	1.1	23	6	
RG 13+00N 2+00E	77	14	103	.2	10	5	
RG 13+00N 2+50E	102	9	139	.4	14	2	
RG 13+00N 3+00E	80	15	148	.6	13	8	
RG 13+00N 3+50E	108	8	133	.4	14	9	
RG 13+00N 4+00E	124	19	135	.6	15	16	
RG 13+00N 4+25E	84	6	342	.3	16	17	
RG 13+00N 4+50E	111	12	481	.7	16	62	
RG 13+00N 4+75E	57	13	205	.2	14	19	
RG 13+00N 5+00E	28	12	123	.2	19	3	
RG 13+00N 5+25E	21	8	86	.1	16	8	
RG 13+00N 5+50E	58	10	511	.8	23	6	
RG 13+00N 5+75E	26	7	75	.1	18	7	
RG 13+00N 6+00E	20	10	59	.1	20	1	
RG 13+00N 6+25E	25	11	67	.1	20	1	
RG 13+00N 6+50E	56	8	82	.4	23	1	
RG 13+00N 6+75E	56	7	89	.1	20	2	
RG 13+00N 7+00E	44	8	97	.1	20	1	
RG 13+00N 7+50E	77	7	21	.1	27	1	
RG 13+00N 8+00E	25	2	90	.2	19	1	
RG 13+00N 8+50E	51	8	108	.1	25	1	
RG 13+00N 9+00E	54	13	298	.6	19	25	
RG 12+00N 0+50E	141	13	124	.2	21	14	
RG 12+00N 1+00E	92	9	152	.7	21	1	
RG 12+00N 1+50E	99	12	125	.5	18	7	
RG 12+00N 2+00E	102	8	147	.2	21	11	
RG 12+00N 2+50E	112	9	226	.7	19	16	
RG 12+00N 3+00E	165	9	126	1.2	17	81	
RG 12+00N 3+50E	202	10	121	.6	19	112	
RG 12+00N 4+00E	184	13	144	.7	17	42	
RG 12+00N 4+25E	64	10	145	.2	16	7	
RG 12+00N 4+50E	55	17	302	.3	8	1	
RG 12+00N 4+75E	29	6	414	.8	22	1	
RG 12+00N 5+00E	17	13	150	.1	10	1	
RG 12+00N 5+25E	16	5	170	.3	7	1	
RG 12+00N 5+50E	35	17	107	.4	19	1	
RG 12+00N 6+00E	9	9	103	.1	11	1	
RG 12+00N 6+25E	96	4	87	.3	17	1	
RG 12+00N 6+50E	94	8	94	.2	24	1	
RG 12+00N 6+75E	51	2	78	.1	23	1	
RG 12+00N 7+00E	61	10	66	.2	30	1	
RG 12+00N 7+50E	68	9	69	.1	27	1	
RG 12+00N 8+00E	42	8	80	.1	26	1	
RG 12+00N 8+50E	35	7	87	.1	19	1	
RG 11+00N 0+00E	50	14	195	.6	15	1	
RG 11+00N 0+50E	58	58	416	.7	16	1	
RG 11+00N 1+00E	78	19	197	.4	16	1	
RG 11+00N 1+50E	59	10	135	.2	16	1	
RG 11+00N 2+00E	57	16	122	.7	18	1	
RG 11+00N 2+50E	192	11	204	.4	15	5	
RG 11+00N 3+00E	136	13	300	1.6	17	176	
RG 11+00N 3+50E	40	23	154	1.8	18	145	
RG 11+00N 4+00E	129	12	232	1.0	17	62	
RG 11+00N 4+25E	105	11	318	.9	14	82	
RG 11+00N 4+50E	90	14	413	.8	14	9	
RG 11+00N 4+75E	79	12	244	.7	16	20	
RG 11+00N 5+00E	54	14	186	.8	13	6	
RG 11+00N 5+25E	10	2	158	.1	1	1	
RG 11+00N 5+50E	106	14	142	1.8	12	13	
RG 11+00N 5+75E	9	5	61	.1	2	1	
RG 11+00N 6+00E	132	16	91	.3	26	18	
RG 11+00N 6+25E	34	9	84	.1	25	1	
RG 11+00N 6+50E	40	4	99	.1	22	1	
RG 11+00N 6+75E	67	9	83	.2	27	1	
STD CAU-S	60	37	130	7.0	67	48	
RG 11+00N 7+00E	97	5	70	.3	33	1	
RG 11+00N 7+50E	74	9	109	.1	15	1	
RG 11+00N 8+00E	58	7	63	.1	21	1	
RG 11+00N 8+50E	37	7	59	.1	16	1	
RG 11+00N 9+00E	46	26	350	.8	10	3	
RG 10+00N 0+50E	76	5	122	.4	12	1	
RG 10+00N 1+00E	48	23	186	.5	18	1	
RG 10+00N 1+50E	54	18	143	.5	14	191	
RG 10+00N 2+00E	29	10	127	.3	14	5	
RG 10+00N 2+50E	48	12	133	.4	14	14	
RG 10+00N 3+00E	151	19	168	.5	13	70	
RG 10+00N 3+50E	105	13	286	.7	15	9	
RG 10+00N 4+00E	106	15	135	.2	12	25	
RG 10+00N 4+25E	155	11	167	1.3	11	27	
RG 10+00N 4+50E	141	16	214	1.2	12	33	
RG 10+00N 4+75E	94	16	249	.6	12	28	
RG 10+00N 5+00E	62	21	128	.1	21	7	
RG 10+00N 5+25E	22	8	255	.8	12	1	
RG 10+00N 5+50E	41	15	93	.2	46	1	
RG 10+00N 5+75E	97	10	111	.9	24	1	
RG 10+00N 6+00E	61	4	165	.6	21	1	
RG 10+00N 6+25E	72	6	95	.1	29	1	
RG 10+00N 6+50E	43	3	84	.1	23	1	
RG 10+00N 6+75E	37	11	74	.1	21	10	
RG 10+00N 7+00E	62	4	56	.1	25	1	
RG 10+00N 7+50E	33	3	58	.1	24	1	
RG 10+00N 8+00E	61	5	64	.2	25	1	
RG 10+00N 8+50E	43	8	56	.3	18	13	
RG 9+00N 0+00E	49	15	113	.5	16	1	
RG 9+00N 0+50E	65	15	156	.3	29	5	
RG 9+00N 1+00E	45	18	175	.7	15	1	
RG 9+00N 1+50E	66	16	135	.5	16	1	
RG 9+00N 2+00E	46	9	107	.4	11	1	
RG 9+00N 2+50E	49	18	274	.7	15	1	
RG 9+00N 3+00E	51	13	209	.3	14	1	
RG 9+00N 3+25E	167	15	154	1.7	20	250	
RG 9+00N 3+50E	68	12	148	.7	15	1	
RG 9+00N 3+75E	73	14	246	.5	12	120	
RG 9+00N 4+00E	60	29	277	.4	13	67	
RG 9+00N 4+50E	114	36	251	2.2	16	17	
RG 9+00N 5+00E	57	44	286	1.0	12	7	
RG 9+00N 5+25E	134	20	232	.8	15	380	
RG 9+00N 5+50E	64	12	162	.3	15	10	
RG 9+00N 5+75E	47	18	185	.6	13	11	
RG 9+00N 6+00E	20	4	98	.7	2	1	
RG 9+00N 6+25E	91	17	140	1.7	15	30	
RG 9+00N 6+50E	34	8	80	.5	4	2	
RG 9+00N 6+75E	43	5	85	.6	17	1	
RG 9+00N 7+00E	89	9	69	.1	26	1	
RG 9+00N 7+50E	124	7	58	.3	33	1	
RG 9+00N 8+00E	45	2	90	.2	23	2	
RG 9+00N 8+50E	73	7	85	.1	32	1	
RG 9+00N 9+00E	72	9	144	.6	20	5	
RG 8+00N 0+50E	87	17	188	.6	18	22	
RG 8+00N 1+00E	32	13	169	.2	15	8	
RG 8+00N 1+50E	37	16	235	.4	16	1	
RG 8+00N 2+00E	83	17	137	.7	14	8	
RG 8+00N 2+50E	60	17	134	.5	12	3	
RG 8+00N 3+00E	68	18	164	.9	14	13	
RG 8+00N 3+50E	89	22	177	.7	16	26	
RG 8+00N 4+00E	49	14	127	.3	14	2	
RG 8+00N 4+25E	76	4	89	.3	12	1	
RG 8+00N 4+50E	120	11	131	1.5	20	10	
RG 8+00N 4+75E	39	18	246	.5	11	8	
RG 8+00N 5+00E	62	17	161	.3	14	13	
RG 8+00N 5+25E	27	9	123	.4	13	3	
RG 8+00N 5+50E	89	16	111	.2	18	25	
RG 8+00N 5+75E	46	24	102	.2	21	7	
RG 8+00N 6+00E	59	10	122	.5	21	9	
RG 8+00N 6+25E	75	11	102	.4	26	33	
RG 8+00N 6+50E	124	5	87	.4	34	8	
RG 8+00N 6+75E	56	5	82	.1	33	1	
RG 8+00N 7+00E	48	6	65	.4	22	1	
RG 8+00N 7+50E	52	3	71	.1	16	1	
RG 8+00N 8+00E	40	8	73	.1	29	1	
RG 8+00N 8+50E	39	7	75	.1	21	1	
RG 7+00N 0+00E	50	13	141	.2	22	3	



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,826

SCALE 1:2500  
0 25 50 100 150 Metres

Key  
 —○—○—○— Au (ppb)  
 —○—○—○— " "  
 - - - - - 1.3 Ag (ppm)  
 - - - - - 0.9 " "

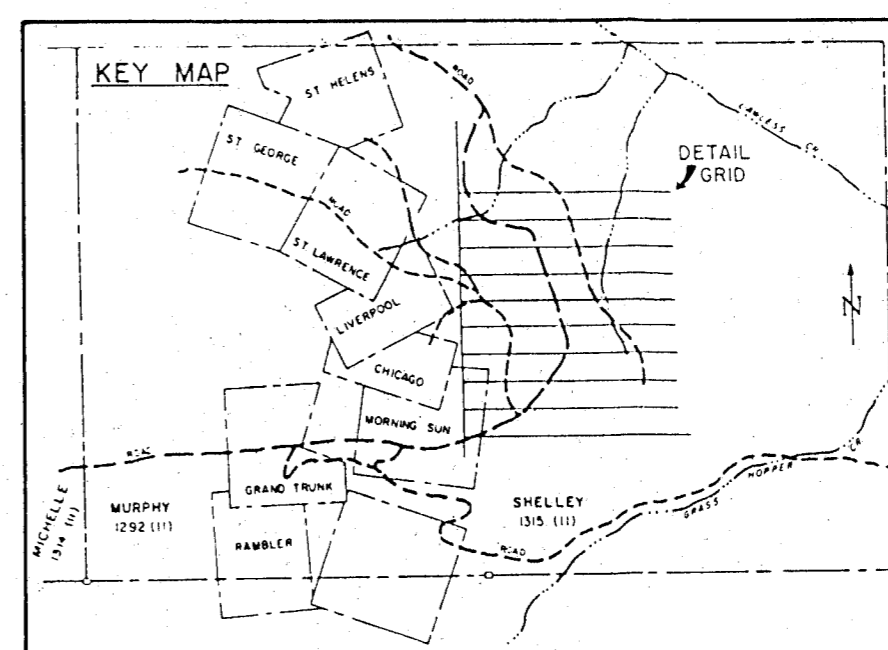
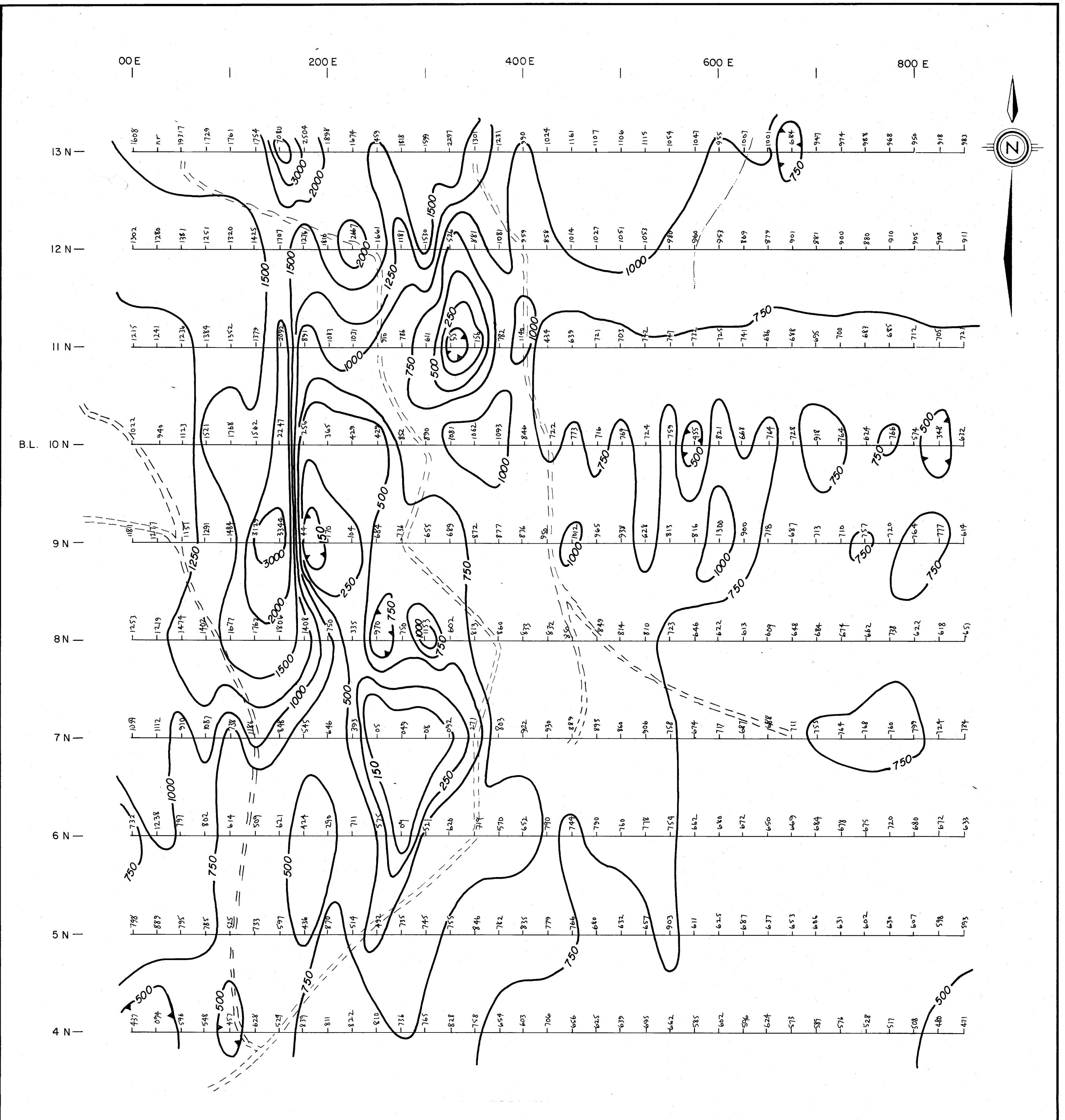


FIGURE 6  
 BORDEAUX RESOURCES LTD.  
 RAMBLER CLAIM GROUP  
 SIMILKAMEEN M.D. N.T.S. 92 H/10  
 SOIL GEOCHEMISTRY  
 Au, Ag  
 To accompany a report by:  
 Marion Blank, B.Sc.  
 Drawn by: MO/GT Date: Sept. 1987



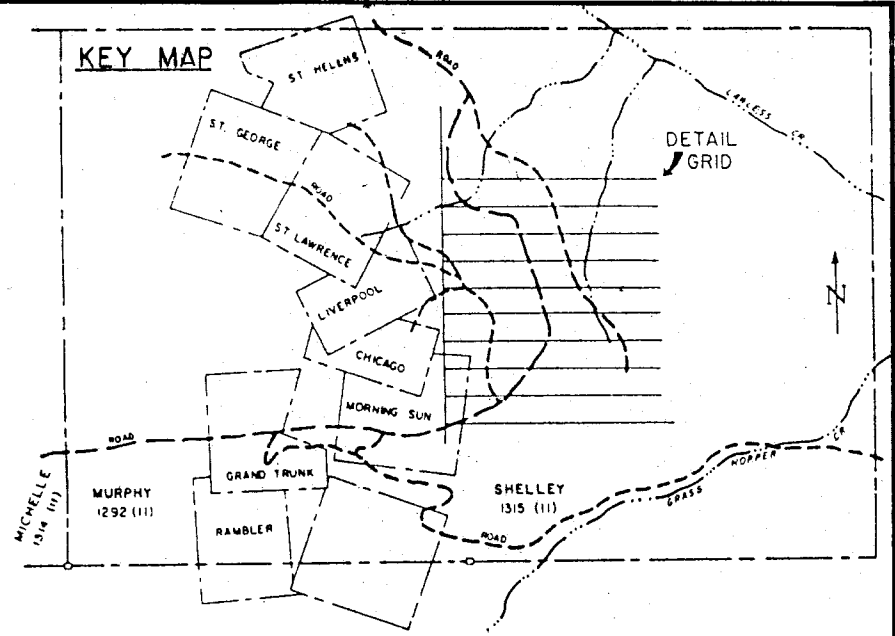


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,826

SCALE 1:2500  
0 25 50 100 150 Metres

FIGURE 8



- NOTES:**
- INSTRUMENT : SCINTREX MODEL MP-2 PROTON MAGNETOMETER. SERIAL No. 8007643
  - TOTAL FIELD SURVEY : MAGNETIC DATUM 56,000 GAMMAS.
  - CONTOUR INTERVAL : VARIES : 150,250,500 GAMMAS

BORDEAUX RESOURCES LTD.

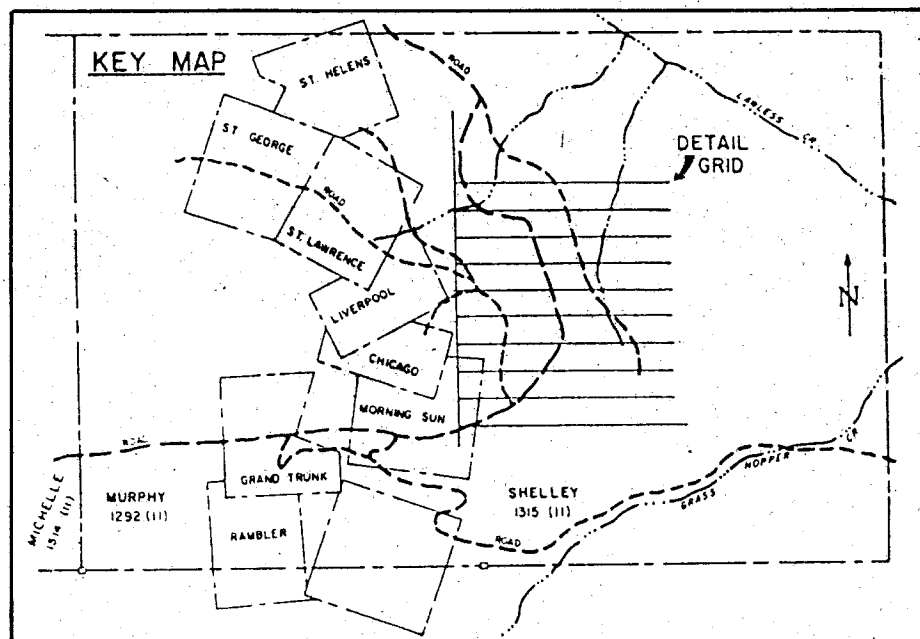
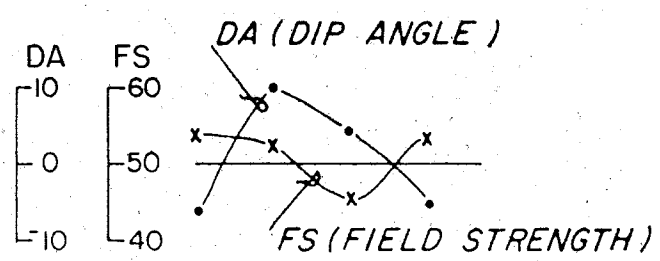
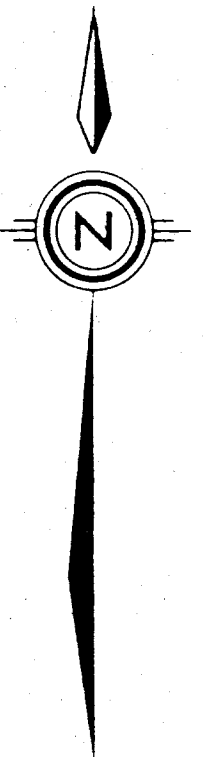
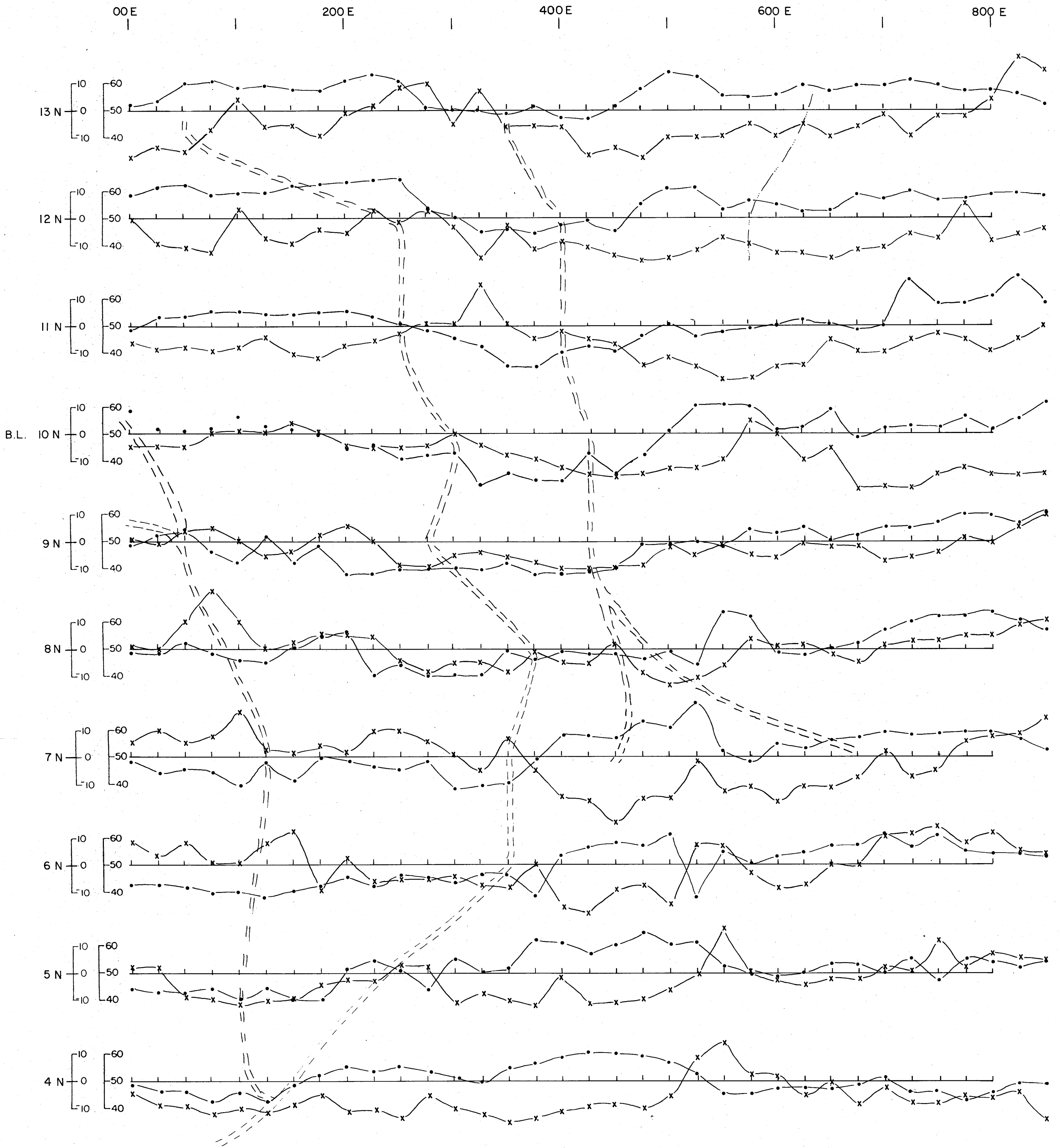
RAMBLER CLAIM GROUP  
SIMILKAMEEN M.D. — N.T.S. 92 H/10

**MAGNETIC DATA & CONTOUR MAP**

To accompany a report by:  
Marion Blank, B.Sc.

Drawn by: MO/GT Date: Sept. 1987





SCALE 1: 2500  
0 25 50 100 150 Metres

FIGURE 9

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,826**

**NOTES:**  
- Receiver: Sabre Electronics Model 27 VLF-EM receiver.  
- Transmitter: NLK Seattle Wa. Frequency 24.8 kHz., Pwr.: 125 kw.

*MEB*

BORDEAUX RESOURCES LTD.

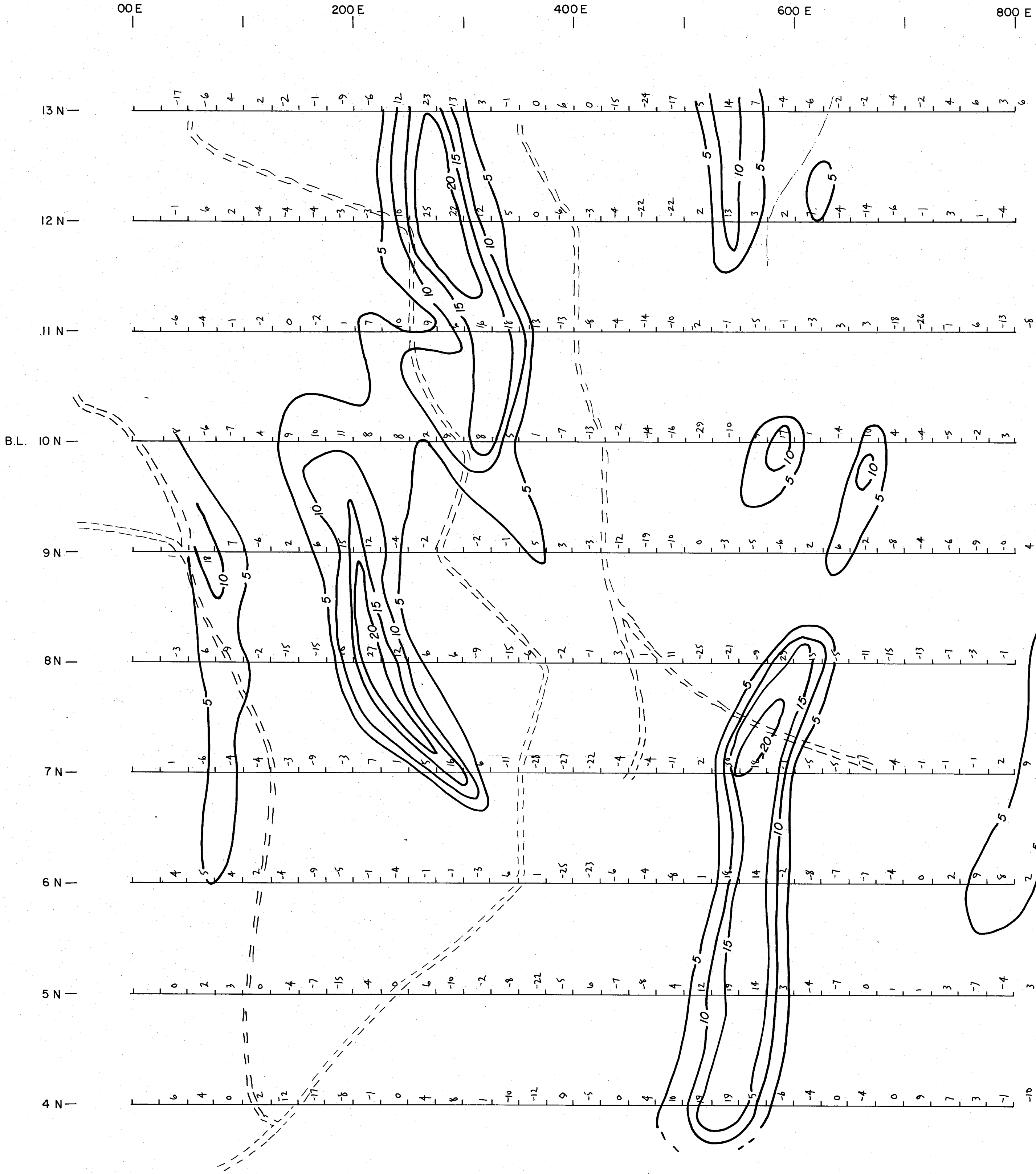
RAMBLER CLAIM GROUP  
SIMILKAMEEN M.D. — N.T.S. 92 H/10

**VLF-EM SURVEY  
PROFILE PLOT PLAN**

To accompany a report by:  
Marion Blank, B.Sc.

Drawn by: /GT Date: Sept. 1987





**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,826**

SCALE 1: 2500  
0 25 50 100 150 Metres

FIGURE 10

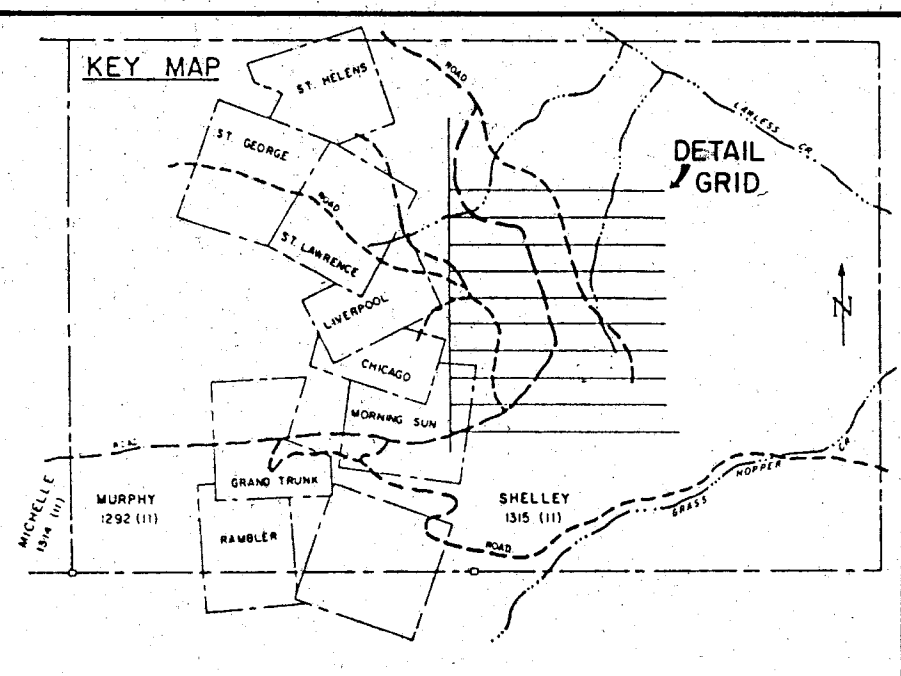
BORDEAUX RESOURCES LTD.

RAMBLER CLAIM GROUP  
SIMILKAMEEN M.D. — N.T.S. 92 H/10

**VLF-EM SURVEY  
FRASER FILTER CONTOUR MAP**

To accompany a report by:  
Marion Blank, B.Sc.

Drawn by: /GT Date: Sept. 1987



- NOTES:**
- Receiver: Sabre Electronics Model 27 VLF-EM receiver.
  - Transmitter: NLK Seattle Wa. Frequency 248 kHz., Pwr.: 125 kW.
  - Contour Interval: 5, 10, 15, 20 Gammas