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## Rojoll Explorations Ltd.

Geophysical and Geochemical Survey Report  
on the

### RANDEB CLAIM GROUP

TEXAS BAR CREEK  
NEW WESTMINSTER MINING DIVISION  
HOPE, BRITISH COLUMBIA

N. Lat. 49 28' 00" W. Long. 121 23' 00"

NTS 92 - H / 6W

by

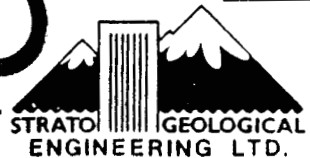
Al E. Hunter, B.A.Sc. / R.J. Englund, B.Sc.

STRATO GEOLOGICAL ENGINEERING LTD.  
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SURREY, BRITISH COLUMBIA

V4A 5B6  
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

June 19, 1987

# 16,326



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## Summary

Pursuant to a request by the Directors of Rojoll Explorations Ltd. a geological, geophysical and geochemical program was carried out on the Randeb Group. The work was completed between the date of May 7 and June 4, 1987.

The Randeb Group comprises six contiguous mineral claims consisting of sixty-two claim units located on the eastern side of the Fraser River some 10km due north of Hope, British Columbia. Access to the property is by means of a 4WD vehicle along logging roads.

The area has been explored intermittently since the early 1900's. The former Pride of Emory, B.C. Nickel and Pacific Nickel Mine is located about 4mi. due west of the Randeb Showing No. 1. Nickel-copper sulphides were discovered on the Pride of Emory Mine in 1923 and a substantial tonnage of nickel and copper was produced. Production ceased in the early 1970's. Production was from steeply plunging orebodies, zoned in nature and trending nearly east-west, in an ultrabasic host rock.

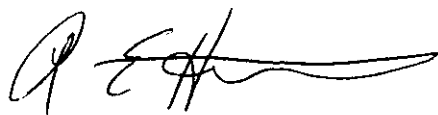
The orthogneiss and paragneiss (with associated meta-volcanics) of the Paleozoic Custer Gneiss, late Cretaceous to early Tertiary quartz diorite plugs and meta-sediments and meta-volcanics of the lower Paleozoic Hozameen Group form the local geology. The strike varies from 150 to 180 degrees and the dip varies from 20 to 60 degrees to the east. It is possible that a splay of the Yale fault passes through the area. Mineralization consists of conformable nickel and copper rich meta-volcanics in the paragneiss and was probably emplaced in the Tertiary Unit. Such mineralization was found at the Randeb Showing No. 1.



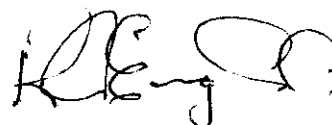
A total of 17.2km of magnetic survey and 17.9km of geochemical survey work was completed to delineate any significant geophysical or geochemical trends. 449 soil samples, 65 silt samples, 22 rock samples and 3 alluvium concentrates were submitted to Acme Analytical Laboratories in Vancouver, British Columbia, for analysis. Inductive Coupled Plasma (ICP) analysis was carried out for the following elements: silver, copper, zinc, nickel and cobalt. Gold was determined by the Atomic Absorption (AA) method. The alluvium concentrates were fire assayed for gold and platinum.

Showing No. 1 was extended to the south side of Texas Bar Creek and was determined to have a maximum north-south extent of about 130m. Showing No. 2, in the northwest claims area, was trenched and float from this trench was anomalous in nickel. Work on the grid in the northwest claims area revealed several isolated gold and silver anomalies although it did not establish anomalous trends which would indicate the presence of additional "norite" zones and/or precious metals deposits.

Respectfully submitted,



A. E. Hunter  
Geophysicist  
June 19, 1987



R. J. Englund, B.Sc.

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## 1. INTRODUCTION

Pursuant to a request by the Directors of Rojoll Explorations Ltd., Strato Geological Engineering Ltd. carried out detailed total field magnetometer and geochemical surveys over the No. 2, No. 3 and No. 1 showing areas during the period May 7 to June 4, 1987. The field crew consisted of A.E. Hunter, assisted by P. Bartier and B. Fishel.

The purpose of the geophysical and geochemical survey work was to further delineate any structural features and/or mineralized zones outlined by previous work and airborne geophysics. Detail grid surveys were conducted over the No. 1 showing area at Texas Bar Creek and the No. 2 and No. 3 showing areas in the west-central Randeb IV claim area.

A JD-4 bulldozer was used to open the main access road as far as the No. 2 showing and expose that showing and an extension of the No. 1 showing (No. 1A showing) on the south side of Texas Bar Creek.

### 1.1 Location, Access, Topography

The Randeb Group comprises six contiguous mineral claims consisting of sixty-two claim units located on the eastern side of the Fraser River some ten kilometers due north of Hope, British Columbia.

Good logging road access is available to the lower elevations of the claims, a road distance of 16km from Hope, and the Canadian National Railway main line passes through the Randeb II claim area along the Fraser River. Repair of several washouts on the main access road was required. Several old logging roads provide access to the northern and north-eastern claim areas and several washouts were repaired to give access to areas of higher elevation, including the No. 2 showing area.

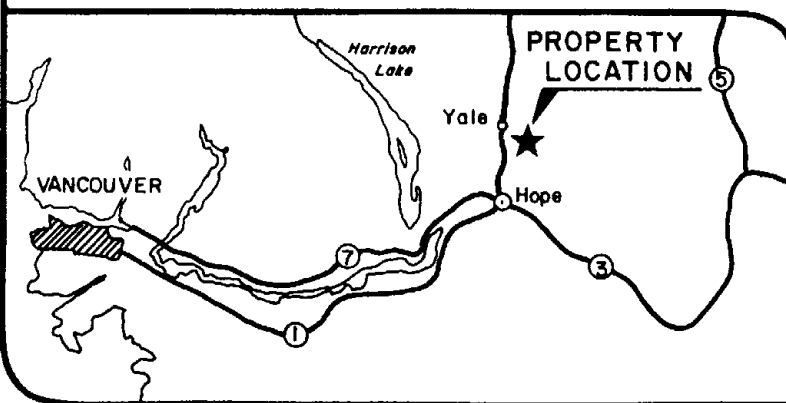
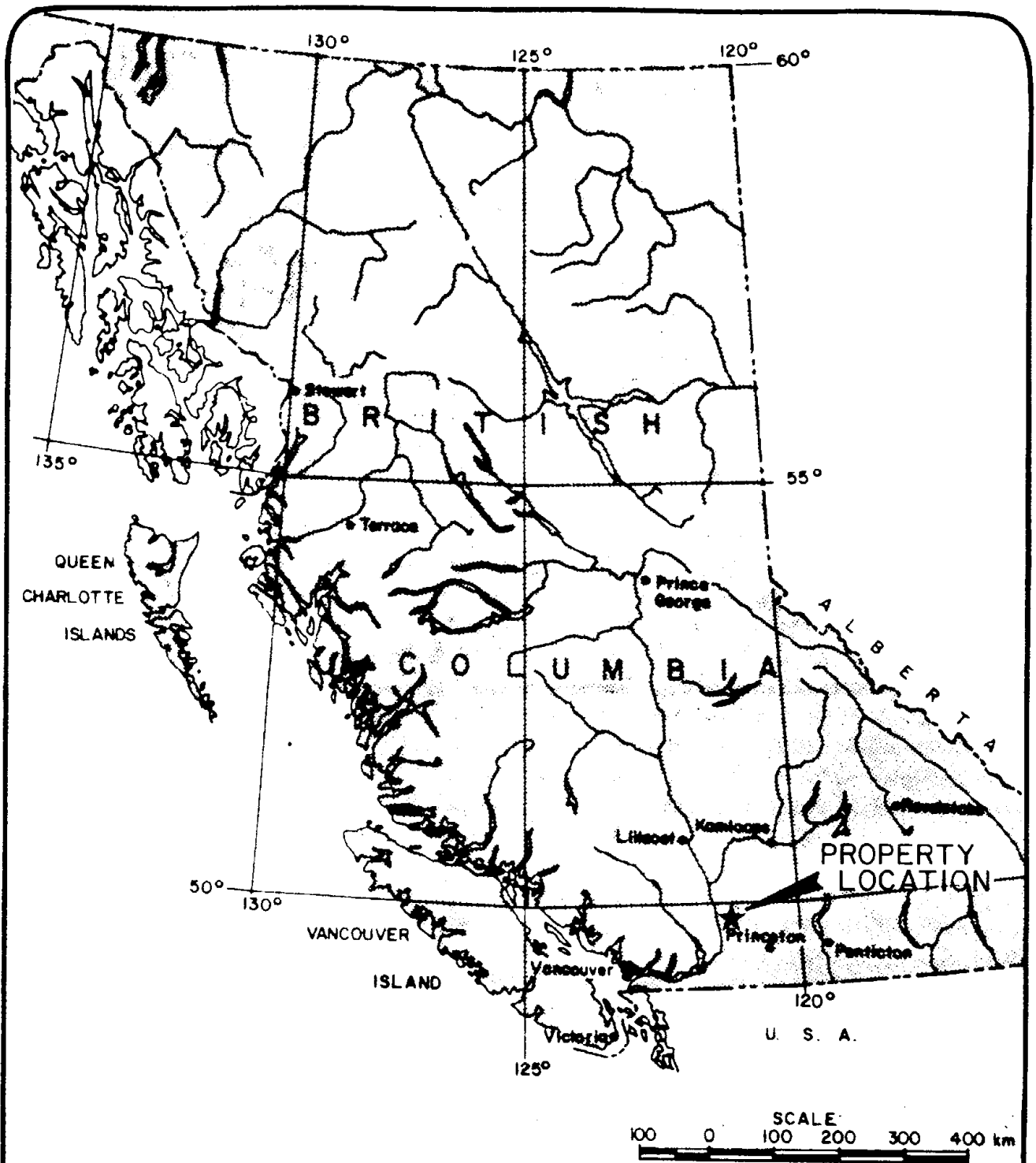


FIGURE 1  
 ROJOLL EXPLORATIONS LTD.  
 RANDEB CLAIM GROUP  
**LOCATION MAP**

JUNE 1987



Topographic relief is variable over the claims area with elevations ranging from about 200 ft at the Fraser River to over 5,500 ft above sea level in the eastern Randeb VII claim area (Figure 2). Drainage is westerly to the Fraser River and Texas Bar Creek traverses the central claim areas, cutting a deep ravine in the western Randeb I claim area. Several smaller creeks and a small lake are located in the northern areas of the claim group.

## 1.2 Claims

The Randeb claim group comprises six contiguous mineral claims containing 62 units in the New Westminster Mining Division located some 10km north of Hope, B.C.

The claims are shown on the British Columbia Mineral Titles Map M92-H-6W (Figure 3). Information on file with the Gold Commissioner at New Westminster on June 8, 1987 was as follows:

<u>Claim</u>	<u>Record No.</u>	<u>Units</u>	<u>Recorded Holder</u>	<u>Expiry Date</u>
Randeb I	1224(6)	12	Rojoll Expl. Ltd.	June 12, 1987
Randeb II	1225(6)	4	Rojoll Expl. Ltd.	June 19, 1987
Randeb III	1277(9)	6	Rojoll Expl. Ltd.	Sept 16, 1987
Randeb IV	1278(9)	10	Rojoll Expl. Ltd.	Sept 16, 1987
Randeb V	1279(9)	12	Rojoll Expl. Ltd.	Sept 16, 1987
Randeb VII	1349(11)	18	Rojoll Expl. Ltd.	Nov. 9, 1987

Work has been filed on the Randeb I, II, IV, and V claims, this report being a part of that work, to keep the claims in good standing.



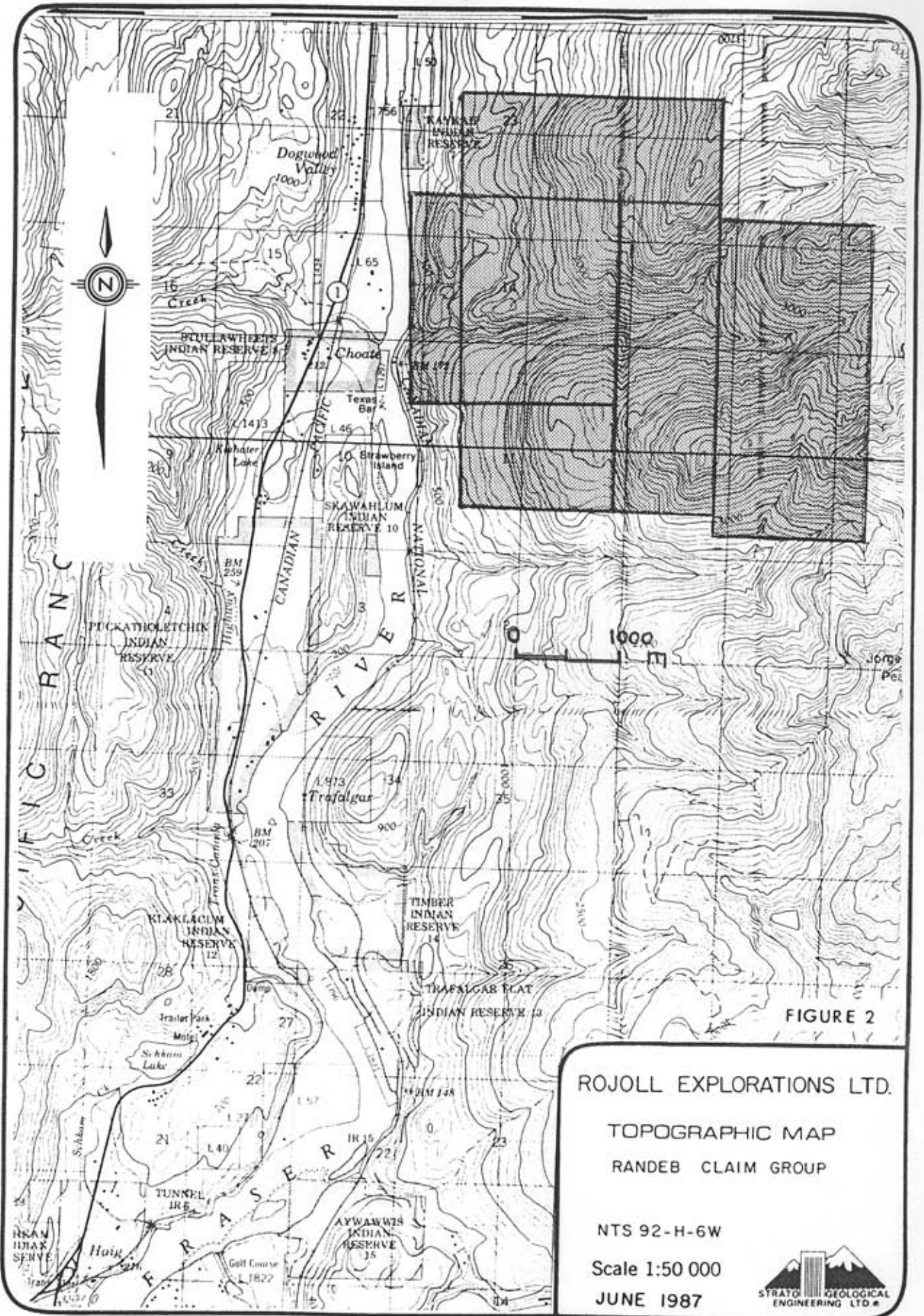


FIGURE 2

## 2. HISTORY AND PREVIOUS DEVELOPMENT

The history of the claims area is fully described by D.W. Tully, P. Eng., Engineering Report dated April 28, 1986 and is not recapitulated in this report.

IOGO Mines Ltd. held the ground presently covered by the Randeb I claim prior to 1970 and reportedly drilled several AX core drill holes in the No. 1 showing. The ground was apparently held intermittently until 1981 when the area was staked as the Randeb claims by Rojoll Explorations Ltd.

During April and May 1982 Strato Geological Engineering Ltd. carried out a regional scale geophysical and soils geochemistry program over the western claims area.

During June, 1985 Strato Geological Engineering Ltd. carried out a geophysical test of the No. 1 and No. 2 showing areas, and in February, 1986 an airborne magnetic and electromagnetic survey was completed. Follow up geologic, geochemical and geophysical surveys, especially in the No. 2 and No. 3 showing areas, was recommended (Arnold and Hunter, February 1986).

TO NORTH SEE MAP 92H/11W

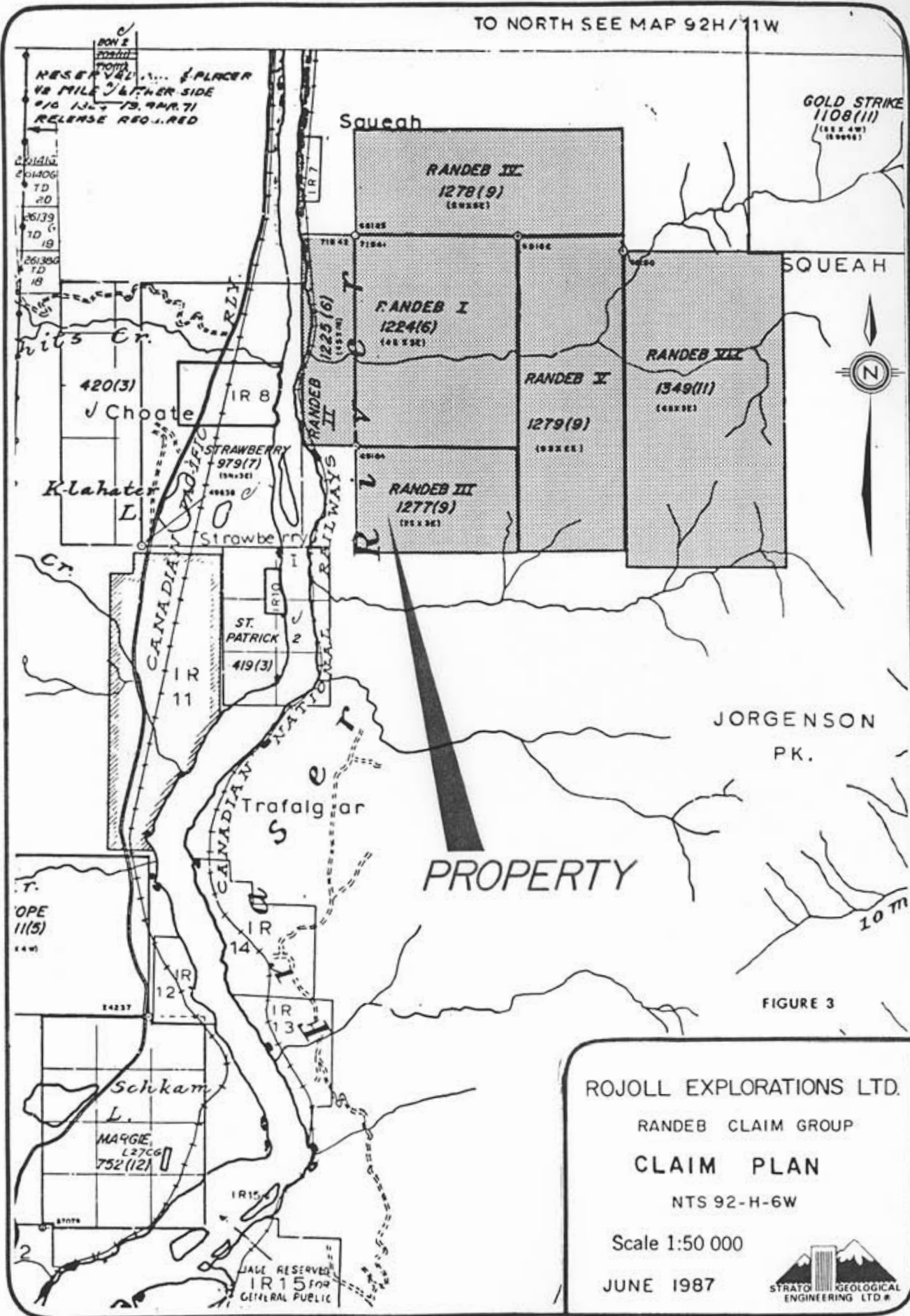


FIGURE 3

ROJOLL EXPLORATIONS LTD.

RANDEB CLAIM GROUP

CLAIM PLAN

NTS 92-H-6W

Scale 1:50 000

JUNE 1987



### **3. GEOLOGY**

#### **3.1 Regional Geology**

D.W. Tully has fully described the geological setting and local mineralization in his report dated April 28, 1986. The geology therefore need not be recapitulated for purposes of this report (See Figure 4).

Generally the oldest rocks on the property are a group of meta- sediments composed of quartz-sericite-biotite paragneiss and associated lenses of meta volcanics. These rocks have been intruded by phases of a foliated feldspar porphyry, granodiorite, and a quartz diorite. The claimed area lies between the Hozameen Fault structure on the east and the Yale Fault zone on the west, a splay of which is postulated to trend N-S through the Randeb II claim (See Figure 5).

#### **3.2 Local Geology**

Geological mapping was carried out over the Randeb IV and the northern areas of the Randeb I and V claims, generally to examine the areas of the No. 2 and No. 3 showings and the airborne geophysical anomalies. Geology was tied into the survey grid established for geochemical and magnetic surveys.

Three geologic units were recognized in the survey grid area (See Figure 5).

**Unit 1:** Rocks showing good foliation, alternate dark and light banding, with the dark bands rich in mafic minerals and the light bands with a composition equivalent to granodiorite and quartz diorite were designated paragneiss. Tully (1982) refers to this unit as:



JUNE 1987

Scale 1:250,000

# REGIONAL GEOLOGY MAP

RANDEB CLAIM GROUP

ROJOLL EXPLORATIONS LTD.

**LEGEND**

20	GRANDIORITE
19	QTZ DIORITE
5	SEDS, VOLCANICS
Bb	MIGMATITE
1b	BASIC VOLCANICS
A	ULTRAMAFICS
C	GNEISS



FIGURE 4

"a group of meta-sediments composed of quartz-sericite-biotite paragneiss and associated lenses of meta-volcanics".

The paragneiss appears to be most common in the area of the No. 2 showing and could contain meta-volcanics.

**Unit 2:** Rocks showing fair to weak foliation, usually a massive appearance, and a composition ranging from granite to quartz diorite (although usually closer to that of granodiorite) were designated orthogneiss. Tully (1982) referred to these rocks as follows:

"... inter-related phases of feldspar porphyry granodiorite and quartz diorite intrusives. Some of these intrusives show intense foliation which may be related chronologically to recurrent movements along the Yale Fault Zone which occupies the valley of the Fraser River."

In places the orthogneiss displayed large crystals of feldspar and quartz.

**Unit 3:** Massive very poorly to poorly foliated rocks of quartz diorite composition were designated as such.

A diabase dyke was also mapped near "Lake Randeb".

The foliation agreed with the regional trend on the grid in the area of the No. 2 and No. 3 showings. The strike varied from about 200 degrees to 160 degrees and the dip from 35 degrees to 50 degrees to the east. One exception to this trend is found about 100m NW of the No. 2 showing where a foliation with a strike of 090 degrees and a dip of 47

degrees N was observed along the road. This and the presence of a deep canyon west of the No. 2 showing area was the only evidence found to support an easterly trending fault in the area of the No. 2 showing (Englund, 1985). The strange offset in Gate Creek, the deep canyon associated with it, and coincident magnetic lows lead one to conjecture a NNE trending fault in this area.

A set of water falls was investigated on Texas Bar Creek (See Figure 8). It is located about 120m east of the mouth of the creek at the Fraser River, about 380m west of the No. 1 showing. The cliff face revealed gneiss and possibly paragneiss and a possible and probable fault. Locally the rock contained large (up to 2cm) phenocrysts of feldspar and quartz. Access to rocks for close examination was difficult. A fault plane was assumed at the base of a dyke or sill of quartz rich rock where clay alteration was observed. This feature showed a strike of 120 degrees and a dip of 18 S. Another fault was inferred from a change in rock units and shows a probable east-west strike with a steep southerly dip. The evidence for this fault is less than conclusive. A possible adit was seen on a ledge on the rock face north of the falls but access was not possible. The bluffs on the south side of the falls were climbed and explored, but no other evidence of the presence of an adit in the falls area was found.

A survey grid comprising of six lines at a bearing of 135 degrees was established from the main road south of Texas Bar Creek (See Figure 8). A line of bluffs of orthogneiss were noted running across these lines. Talus was abundant below the bluffs and common in the soil throughout the grid area.

### 3.3 Mineralization

Three zones of mineralized and serpentinized peridotite were located and sampled in 1982 as reported by Tully. Additional trenching of the No. 2 and No. 3 showings during September 1982 failed to fully expose these zones.

A cleaning up of the trenches at the No. 2 Showing during the 1987 program again failed to expose bedrock (See Figure 5 for location). However, rock samples RS 87-5 and RS 22-1-87 did sample float of a mafic rock, possibly norite, from the trench. Rock Sample RS 22-1-87 showed anomalous amounts of Ni and Co. The source of these rocks remains unknown.

As part of the road repair work, a trench was cut on the south side of Texas Bar Creek to expose bedrock at the base of a cliff beside the road (See Figure 8). This trench revealed the southerly extension of the No. 1 showing across Texas Bar Creek. This extension is designated the No. 1A showing. This trench was cut along the main access road to allow sampling and the trench was recovered. Rock Samples RS 16-1-87 and RS 16-2-87 were taken from a dark black, dense mafic rock, probably norite, exposed by trenching. Both of these samples showed anomalous amounts of Cu, Ni, Co quartz immediately above the norite, RS 16-3-87, did not run.



Rock sample RS 29-1-87, collected from quartz rich rock in the falls area (See Figure 8) of Texas Bar Creek, was not anomalous.

Other rock samples collected on the grid in the No. 2 and No. 3 showing areas did not run. Many of these samples were collected in the proximity of the airborne EM anomalies.

#### 4. SURVEY PROCEDURE

Normal procedures were used to establish the survey grids. Grid lines were compassed and measured using a metric tapofil hip chain. Magnetic readings and soil sampling was completed as the grid was established. Geological mapping was tied in to the survey grid. Junvenile spacing, old logging, and steep terrain made much of the upper grid difficult to traverse.

Total field magnetic readings were taken at 25m intervals, lines were "looped" in accordance with normal practice and an established base station was measured at least twice daily to allow for correction for diurnal variations.

## 5. GEOPHYSICAL RESULTS

A magnetometer survey was conducted in conjunction with soil sampling on the Randeb claim group. A proton precession magnetometer, measuring total field strength in gammas, was used in this survey. Two areas were surveyed: a 1.2 x 1.2km grid (with outlying lines) in the western portion of the Randeb IV claim and the north and northwest portions of the Randeb I and Randeb V claims; two 250m lines bearing 135 degrees, 30m apart, run from the road about 100 and 130m south of the bridge over Texas Bar Creek in western and eastern portions of the Randeb I and Randeb II claims respectively. The former is in the general area of the No. 2 and No. 3 showings while the latter is near the No. 1A showing. A total of 17.1 line Km of magnetometer survey data was collected.

### 5.1 No. 1 Showing

This work was carried out south of the No. 1 showing expecting that the mafic rocks uncovered at the No. 1A showing would have a magnetic signature that could be traced across the hill to the south (See Figure 8). Lines 1 + 00S and 1 + 30S were tested with magnetometer, no anomaly was detected, and the survey was discontinued. All survey lines were geochemically tested.

### 5.2 No. 2 Showing

This work was done in the general area of the No. 2 and No. 3 Showings (See Figure 6) to assist geologic mapping of the area and test airborne magnetic and electromagnetic anomalies (Hunter/Arnold, 1986). The lines were spaced at 100m (except for outlying lines) and measured at 25m. All lines were looped and a base station was used to correct for diurnal variations. A total of 16.6km of line were surveyed.

A base datum of 56,000 gammas was used for the plotting of results and a relief of just over 2,000 gammas are observed over the grid area. Contouring the data reveals a NNW trend in agreement with the regional and local geology.

A northerly trending magnetic low with the two centers parallel to Gates Creek is found in the western area of the grid. Gates Creek is offset in this region and follows a deep canyon. The magnetic and physiographic evidence supports the presence of a NNE trending fault in this area (See Figure 5). A low, centered at 3+00S and 10+00W, is over 500 gammas in magnitude and correlates with Ag, Zn, Cu and Ni anomalies. A low, centered at 2+00N and 10+00W, is 100 gammas in magnitude and coincides with numerous geochemical anomalies.

The No. 2 Showing is just NW of a three line magnetic high trending NNW with a magnitude in excess of 500 gammas.

In all but one case (on line 13+00W) the airborne VLF anomaly centers are connected with magnetic highs.

Co, Cu, Zn, and minor Ni geochemical anomalies located on line 7+00W between 3+50S and 5+00S are correlated with a 200 gamma magnetic low trending NE (across regional trend) and an airborne VLF anomaly center.

## 6. GEOCHEMICAL RESULTS

A total of 515 silt and soil samples and 22 rock samples were submitted to Acme Analytical Laboratories of Vancouver, B.C. for geochemical analysis. Inductive Coupled Plasma (ICP) analysis was done for the following elements: silver (Ag), copper (Cu), cobalt (Co), zinc (Zn), and nickel (Ni). Gold was determined by the Atomic Absorption (AA) method. The results of the geochemical analysis are shown in Appendix I. Rock sample locations are shown on Figures 5 and 8. Geochemical anomalies are shown on Figure 7 and 9.

The B soil horizon was sampled at depths of 20cm to 35cm and the sampler attempted to avoid organic-rich material. A soil pit was dug at each locations and approximately 500g of material was placed in a standard Kraft envelope.

A grid comprising 16.6km of line is located in the western portion of the Randeb IV claim and the north and northwest portions of the Randeb I and Randeb V claims, respectively. This grid is in the general area of the No. 2 and No. 3 Showings. The grid lines were soil sampled every 50m and silts were collected from creek beds that crossed the lines. Where warranted rock samples were also taken, 349 soil samples, 65 silt samples and 18 rock samples (See Figure 5) were taken from this area.

A second grid comprising 1.3km of line is located in the eastern and western portion of the Randeb II and Randeb I claims respectively (See Figures 9 & 8). The grid lines were soil sampled at a 10m intervals. A total of 100 soil samples were analysed.

Three rock samples, RS-16-1 to 3-87 were taken from the No. 1A Showing and one, RS-29-1-87, from the falls area of Texas Bar Creek. These are discussed in section 3.3. A silt sample, #59, taken from the falls area of Texas Bar Creek was not anomalous.

Three pan samples were taken from the Randeb claim group. One tests the alluvium of Gate Creek along the main road (See Figure 5) and the others test the alluvium of Texas Bar Creek above the road and below the falls (See Figure 8). The stream bed material was concentrated down to the grey and heavy sands using 10 to 20 pans. Fire assay did not reveal significant amounts of gold or platinum.

### 6.1 No. 1 Showing

The soil, silt and rock samples were submitted to Acme Analytical Laboratories, for analysis. Histograms and statistical analysis of the results of soil analysis are included in Appendix II and the geochemical results in Appendix I. A total of 100 soil samples were collected from this grid. A further 4 rock and 1 silt samples were collected nearby.

For the purpose of plotting, the following limits were established for geochemical anomalies:

	<u>Weakly Anomalous</u>	<u>Highly Anomalous</u>
Au (ppb)	10	50
Ag (ppm)	0.3	0.4
Cu (ppm)	56	70
Co (ppm)	20	25
Zn (ppm)	230	245
Ni (ppm)	200	350

It must be recognized that talus was abundant in the grid area and soil samples might not reflect bedrock values in the immediate vicinity. Referring to Figure 9 most of the geochemical anomalies are located near the road. All lines analysed, except line 1+60S, are anomalous in this area. The highly anomalous values in Ni and Co on lines 1+00S and 1+90S are interesting and suggest the mafic rock of the No. 1 and No. 1A showings continues across the bottom of the hill near the road. Two highly anomalous Au values located at 1+00S, 2+20E and 2+20S, 0+00E are also interesting. The former is 185 ppb and the latter is 52 ppb Au. These anomalies should be checked to establish if they are representative of bedrock or talus from higher elevations.

## 6.2 No. 2 Showing

The soil, silt and rock samples were submitted to Acme Analytical Laboratories, for analysis. Histograms and statistical analysis of the results of soil analysis are included in Appendix II and the geochemical results in Appendix I. A total of 349 soil samples, 65 silt and 18 rock samples were collected from this grid. A further 4 rock and 1 silt samples were collected nearby.

For the purposes of plotting the following limits were established for geochemical anomalies:

	<u>Weakly Anomalous</u>	<u>Highly Anomalous</u>
Au (ppm)	10	
Ag (ppm)	0.4	0.6
Cu (ppm)	59	70
Co (ppm)	20	26
Zn (ppm)	220	260
Ni (ppm)	115	150

Two areas of paragneiss (See Figure 5) are associated with anomalous geochemical results (See Figure 7), especially in Ni. The first area of paragneiss extends from 6+00W, 0+00E to 8+00W, 1+50N, reaches a width of about 150m and encompasses the No. 2 Showing area. Soil from trenches of the No. 2 showing are highly anomalous in Ni and Co. Soil at 6+00W, 0+00E is highly anomalous in Ni. Silt and Soil at 7+00W, 1+00N are highly anomalous in Ni and the soil is also weakly anomalous in Co. The same stream also showed silt highly anomalous in Ni and weakly anomalous in Cu at 8+00W, 0+75N. Streams draining this area are also weakly anomalous in Ni at 9+00W, 0+75S near the main road. Of the rock samples taken in this area of paragneiss only one out of these are anomalous. Two of these samples were taken from the trench at the No. 2 showing and both were from float. Rock Sample RS 22-1-87 showed 1921 ppm Ni and 73 ppm Co, and was taken from float of mafic composition.

The second area of paragneiss extends from 3+00N, 10+00W to 2+00S, 11+00W and reaches a width of 200m. Three silts located near 10+00W and 0+00E are highly anomalous in Cu and weakly anomalous in Ni, Au, and Ag. A silt at 11+00W, 0+75N is weakly anomalous in Au and a nearby soil is highly anomalous in Zn. A soil at 11+00W, 1+50S is weakly anomalous in Cu and a nearby silt is weakly anomalous in Ni. A soil at 0+50S, 9+00W and two nearby silts are weakly anomalous in Ni. Three rock samples taken in the area are not anomalous.

Four soils taken between 3+50S and 5+00S on line 7+00W are anomalous in Co, Cu, Zn, and Ni. These correspond with a NE trending magnetic low of two hundred gammas and an airborne VLF anomaly centre. Rock samples taken at 7+00W, 4+00S and 6+00S are not anomalous.



In the western area of the grid a silt at 10+00W, 3+00S and a soil at 11+00W, 2+50S are associated with a magnetic low of over 300 gammas, the silt is highly anomalous in Ag and the soil is highly anomalous in Zn. A silt at 9+00W, 7+00S and a soil at 7+50S, 12+00W are highly anomalous in Ag and Au respectively.

On the eastern part of the grid there are eight isolated geochemical anomalies. Zn is highly anomalous in two soils taken 25m either side of 0+00W, 6+25S and 70m away on 1+00W a soil is highly anomalous in Co. A silt is highly anomalous in Ag and weakly anomalous in Cu at 0+00W and 10+50S and a soil is highly anomalous in Ag at 0+00W, 0+50S and a nearby soil and silt are weakly anomalous in Ag. A silt at 1+00W, 2+25S is highly anomalous in Ag and Co. A soil at 2+00W, 1+00S is highly anomalous in Au. A silt located at 1+30S, 4+00W is highly anomalous in Ag as is another silt at 0+80N 5+00W. A soil at 3+00W, 3+50S is highly anomalous in Ni and weakly anomalous in Zn.

These anomalous results, in themselves, could be significant and may warrant follow-up detailed sampling. However the anomalies are generally isolated and no significant basemetals and/or precious metals trend has been established.

## 7. CONCLUSIONS AND RECOMMENDATIONS

A soil sampling survey conducted in the western half of the Randeb IV claim and the north and northeast sections of the Randeb I and Randeb V claims respectively did not reveal any major precious and/or base metals trends. A magnetometer survey over the same area revealed a regional trend to the NNW, in agreement with the regional and local geology. It also revealed some evidence for a fault on the lower (NNE trending) reaches of Gate Creek. Geologic mapping revealed the bedrock in the area to be orthogneiss with two areas of paragneiss or meta-sediments (both located near the No. 2 Showing) and minor amounts of quartz diorite intrusives. An attempt to uncover bedrock at the No. 2 Showing failed although a rock sample collected from mafic float in the trench was anomalous in nickel and cobalt.

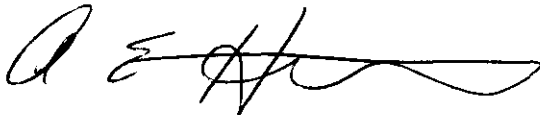
The No. 1 Showing was extended to the south side of Texas Bar Creek and trenching in this area revealed mafic rock, probably norite, which tested high in copper, nickel, and cobalt. A soil grid established to the south and southeast of this extension failed to reveal any further significant extension of the Showing. Hence, the maximum extent of the mafic rock of the No. 1 showing is 130m.

Panning of Texas Bar and Gate Creek did not reveal significant amounts of gold or platinum.

Additional work on this claim group should be conducted to further define the three known Nickel showings with respect to grade and tonnage. Survey work in the northern and northeast claims area does not establish a very good potential for locating additional "norite" zones and/or precious metal deposits.

Several isolated gold anomalies warrant additional exploration. Results to date indicate that further work could be concentrated on follow-up of anomalies established on the Randeb I, II, IV, and V claims.

Respectfully submitted,  
Strato Geological Engineering Ltd.



A.E. Hunter, B.A.Sc.  
Geophysicist



R.J. Englund, B.Sc

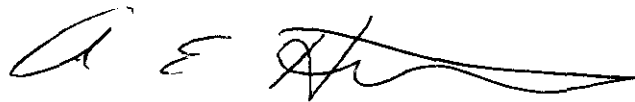
June 19, 1987

**8. CERTIFICATE**

I, AL E. HUNTER, of Vancouver, British Columbia, Canada do hereby certify the following:

1. I will receive the degree of Bachelor of Applied Science with Specialization in Geophysics from the University of British Columbia, Vancouver, British Columbia in 1987.
2. Since leaving university I have practised my profession in western and northern Canada for approximately 6 years.
3. I have no direct, indirect or contingent interest, nor do I expect to receive such interest, in the securities or properties of Rojoll Explorations Ltd.

Dated at Surrey, British Columbia, this 19th day of June, 1987.



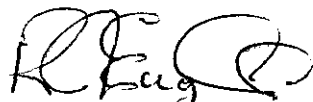
A. E. Hunter, Geophysicist

**8. CERTIFICATE**

I, Ralph J. Englund, of 17948 - 24th Avenue, Surrey, British Columbia, do hereby certify that:

1. I am a Consulting Geophysicist with offices at 3566 King George Highway, Surrey, BC V4A 5B6.
2. I graduated from the University of British Columbia, with a degree of Bachelor of Science.
3. I have been engaged in the practice of exploration geophysics continuously for a period of 15 years. I have worked as a geophysical consultant on numerous projects in Western North America since 1972.
4. I am a member in good standing of the British Columbia Geophysical Society.
5. The field work and interpretation of results of this report were carried out under my direct supervision.

Dated at Surrey, Province of British Columbia, this 19th day of June, 1987.



R.J. Englund, B.Sc.

## 9. REFERENCES

Englund, R.J. (1985)

Geophysical investigations of RANDEB claim group (No. 1 and No. 2 Showings) involving magnetic gradient and VLF surveys. Unpublished report for ROJOLL EXPLORATIONS LTD., Hope, B.C. area, New Westminister M.D.

Geological Survey of Canada

Paper 69 - 47 and accompanying map - Map 12 - 1969.

Hunter, A.E./Arnold, R.R. (1986)

Airborne geophysical survey of RANDEB claim area - magnetic and EM survey. Unpublished report for ROJOLL EXPLORATIONS LTD., Hope, B.C. area, New Westminister M.D.

Tully, D.W. (1982)

Geologic, geochemical and geophysical investigations of the RANDEB claim group. Unpublished report for ROJOLL EXPLORATIONS LTD. Hope, B.C. area, New Westminister M.D.

Tully, D.W. (1986)

Geologic assessment of the RANDEB claim group. Unpublished report for ROJOLL EXPLORATIONS LTD., Hope, B.C. area, New Westminister M.D.

**APPENDIX I: Analytical Data for Soils, Rocks  
and Rock Descriptions**

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

DATE RECEIVED: JUNE 6 1987

DATE REPORT MAILED: *June 15/87.*

### 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: SOILS AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL PROJECT - ROJOL File # 87-1616

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
RN 0+50	18	91	.1	49	10	1
RN 1+00	14	138	.1	33	8	1
RN 1+50	30	103	.1	52	11	2
RN 2+00	14	189	.1	38	9	2
RN 2+50	42	230	.1	71	14	1
RN 3+00	31	99	.1	64	12	2
RN 3+50	36	94	.1	57	12	1
RN 4+00	30	95	.1	54	11	1
RN 4+50	18	76	.1	53	8	1
RN 5+00	22	98	.1	51	11	1
RN 5+50	27	92	.2	36	9	1
RN 6+00	21	107	.1	46	10	9
RN 6+50	21	55	.1	17	6	1
RN 7+00	38	96	.1	11	6	1
RN 7+50	21	118	.1	21	16	1
RS 0+00	24	96	.1	55	11	1
RS 0+50	24	74	.1	37	8	1
RS 1+00	25	91	.1	44	10	1
RS 1+50	21	63	.1	30	7	1
RS 2+00	15	93	.3	40	8	1
RS 2+50	17	105	.1	44	10	21
RS 3+00	10	213	.2	33	8	1
RS 3+50	28	100	.2	52	12	1
RS 4+00	29	96	.1	62	12	1
RS 4+50	15	81	.1	40	9	1
RS 5+00	27	107	.1	61	12	1
RS 5+50	25	84	.1	48	11	1
RS 6+00	55	89	.2	41	11	2
RS 6+50	39	78	.1	47	12	1
RS 7+00	50	87	.1	54	14	1
RS 7+50	12	70	.1	41	10	1
RS 8+00	36	96	.1	55	11	1
RS 8+50	29	97	.2	56	12	1
STD C/AU-S	58	134	6.9	68	28	49



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

DATE RECEIVED: JUNE 05 1987  
 DATE REPORT MAILED: *June 15/87*

**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-P9 SOIL, P10-11 SILT, P12 ROCK AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL PROJECT - ROJOL File # 87-1613 Page. 1

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L13W 3+00S	13	93	.1	34	7	1
L13W 3+50S	13	126	.2	28	8	2
L13W 4+00S	10	73	.1	35	8	5
L13W 4+50S	14	95	.1	27	7	1
STD C/AU-S	61	138	7.1	69	29	46
L13W 5+00S	13	83	.1	32	7	1
L13W 5+25S	19	132	.2	15	10	1
L13W 5+50S	24	103	.2	53	11	1
L13W 5+75S	18	93	.1	48	10	2
L13W 6+00S	22	104	.1	54	9	2
L13W 6+25S	29	84	.1	60	11	1
L13W 6+50S	40	154	.2	79	15	1
L13W 6+75S	19	72	.1	53	10	2
L13W 7+00S	42	165	.2	62	11	1
L13W 7+50S	13	66	.3	51	10	4
L13W 8+00S	31	69	.1	54	12	3
L12W 2+00N	16	111	.1	34	8	2
L12W 1+50N	10	84	.2	30	8	1
L12W 1+00N	15	80	.2	38	9	1
L12W 0+50N	14	85	.1	33	8	1
L12W 0+00S	15	61	.2	33	7	23
L12W 0+50S	19	62	.1	42	9	1
L12W 1+00S	13	56	.3	33	8	1
L12W 1+50S	14	74	.2	29	8	3
L12W 2+00S	21	79	.1	35	8	2
L12W 2+50S	14	64	.1	28	6	1
L12W 3+00S	18	55	.1	43	9	1
L12W 3+50S	22	70	.1	44	10	1
L12W 4+00S	13	69	.1	36	7	2
L12W 4+50S	10	85	.1	18	5	13
L12W 5+00S	16	78	.1	40	8	9
L12W 5+50S	19	83	.1	46	10	2
L12W 6+00S	17	68	.1	42	9	3
L12W 6+50S	21	159	.1	53	10	1
L12W 7+00S	23	83	.1	50	11	4
L12W 7+50S	26	140	.1	37	9	55
L12W 8+00S	32	71	.1	36	8	2

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L12W 8+50S	60	142	.1	44	14	1
L12W 9+00S	11	64	.2	6	4	1
L12W 9+50S	28	88	.1	54	11	1
L12W 10+00S	25	92	.1	60	12	4
L11W 2+00N	58	87	.3	58	12	1
L11W 1+50N	46	133	.1	66	14	5
L11W 1+00N	21	118	.1	36	9	1
L11W 0+50N	19	374	.1	34	11	1
L11W 0+00S	23	203	.1	46	11	1
L11W 0+50S	33	139	.1	56	12	2
L11W 1+00S	18	126	.2	27	8	1
L11W 1+50S	63	126	.1	47	12	4
L11W 2+00S	29	102	.1	81	17	3
L11W 2+50S	20	279	.1	44	12	1
L11W 3+00S	22	100	.3	46	11	7
L11W 3+50S	22	118	.1	50	11	1
L11W 4+00S	18	95	.2	44	9	3
L11W 4+50S	8	95	.1	50	10	4
L11W 5+00S	33	94	.1	41	10	2
L11W 5+25S	63	243	.2	17	10	1
L11W 5+50S	17	147	.1	39	11	3
L11W 5+75S	15	281	.1	18	12	1
L11W 6+00S	31	102	.1	42	11	1
L11W 6+05S	18	143	.1	29	9	1
L11W 6+25S	22	138	.3	49	13	1
L11W 6+50S	24	126	.1	60	13	2
L11W 6+75S	20	125	.2	49	12	14
L11W 7+00S	18	150	.1	33	11	1
L11W 7+50S	19	113	.2	46	10	6
L11W 8+00S	11	128	.2	28	7	1
L11W 8+50S	14	113	.1	47	9	1
L11W 9+00S	18	108	.1	43	10	1
L11W 9+50S	15	135	.1	27	7	2
L11W 10+00S	20	74	.3	59	11	1
L10W 2+00N	34	106	.1	82	14	1
L10W 1+00N	41	106	.1	84	14	1
STD C/AU-S	60	136	7.0	72	29	51

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

DATE RECEIVED: JUNE 06 1987

DATE REPORT MAILED: *June 12/87.*

**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: SOIL -80 MESH AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toyer* DEAN TOYE, CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL PROJECT - ROJOL File # 87-1615 Page 1

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
SHI 1S 0+00E	370	84	.4	954	45	4
SHI 1S 0+10E	18	108	.1	47	9	1
SHI 1S 0+20E	28	130	.1	99	12	1
SHI 1S 0+30E	15	214	.1	85	14	1
SHI 1S 0+40E	17	192	.2	46	14	1
SHI 1S 0+50E	20	162	.1	108	13	1
SHI 1S 0+60E	6	73	.1	21	7	2
SHI 1S 0+70E	17	100	.2	62	12	1
SHI 1S 0+80E	27	111	.1	70	12	1
SHI 1S 0+90E	35	103	.1	61	11	3
SHI 1S 1+00E	16	98	.2	70	10	4
SHI 1S 1+10E	21	90	.1	54	10	1
SHI 1S 1+20E	16	120	.1	58	11	2
SHI 1S 1+30E	21	114	.1	52	10	1
SHI 1S 1+40E	7	210	.1	18	6	1
SHI 1S 1+50E	12	231	.1	35	9	1
SHI 1S 1+60E	16	92	.1	46	10	1
SHI 1S 1+70E	22	100	.1	57	11	2
SHI 1S 1+80E	16	79	.3	53	11	3
SHI 1S 1+90E	16	85	.1	50	10	1
SHI 1S 2+00E	24	88	.1	57	12	5
SHI 1S 2+10E	13	103	.1	49	10	1
SHI 1S 2+20E	8	69	.1	14	6	185
SHI 1S 2+30E	16	190	.1	14	9	5
SHI 1S 2+40E	10	73	.1	26	8	1
SHI 1S 2+50E	14	80	.1	41	9	1
SHI 1S 2+50E #2	10	60	.2	37	9	1
SHI 1+10S 2+50E	11	83	.2	36	9	2
SHI 1+20S 2+80E	7	161	.1	16	7	2
SHI 1+30S 0+00E	46	129	.3	177	21	3
SHI 1+30S 0+10E	23	146	.2	129	20	1
SHI 1+30S 0+20E	23	77	.1	53	11	1
SHI 1+30S 0+30E	25	95	.1	65	11	2
SHI 1+30S 0+40E	21	167	.1	53	11	1
SHI 1+30S 0+50E	17	238	.2	52	12	1
SHI 1+30S 0+60E	10	96	.1	62	11	1
STD C/AU-S	61	138	7.1	67	29	47

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
SHI 1+30S 0+70E	19	139	.1	83	13	1
SHI 1+30S 0+80E	20	134	.1	73	12	1
SHI 1+30S 0+90E	21	130	.1	77	12	1
SHI 1+30S 1+00E	15	210	.1	39	11	1
SHI 1+30S 1+10E	12	166	.1	43	11	1
SHI 1+30S 1+20E	22	177	.1	50	12	3
SHI 1+30S 1+30E	13	143	.1	40	10	1
SHI 1+30S 1+40E	22	88	.1	65	12	1
SHI 1+30S 1+50E	7	67	.1	20	6	1
STD C/AU-S	57	136	7.0	70	28	49
SHI 1+30S 1+60E	17	98	.1	67	12	1
SHI 1+30S 1+70E	20	89	.1	56	11	1
SHI 1+30S 1+80E	18	133	.1	48	10	1
SHI 1+30S 1+90E	18	142	.1	48	10	1
SHI 1+30S 2+00E	15	101	.1	44	10	1
SHI 1+30S 2+10E	16	106	.1	38	9	1
SHI 1+30S 2+20E	10	80	.1	23	6	1
SHI 1+30S 2+30E	21	71	.1	46	9	1
SHI 1+30S 2+40E	7	39	.1	29	7	1
SHI 1+30S 2+50E	20	67	.3	59	12	1
SHI 1+60S 0+00E	38	88	.1	133	14	1
SHI 1+60S 0+10E	20	104	.1	96	12	1
SHI 1+60S 0+20E	22	138	.1	77	12	1
SHI 1+60S 0+30E	21	97	.2	53	10	2
SHI 1+60S 0+40E	13	103	.1	32	8	1
SHI 1+60S 0+50E	28	93	.1	64	11	1
SHI 1+60S 0+60E	22	96	.2	67	12	1
SHI 1+60S 0+70E	26	122	.1	88	14	1
SHI 1+60S 0+80E	37	105	.1	83	12	1
SHI 1+60S 0+90E	13	196	.1	34	8	1
SHI 1+60S 1+00E	20	285	.1	48	10	1
SHI 1+60S 1+10E	14	164	.1	60	11	3
SHI 1+60S 1+20E	12	112	.1	44	9	1
SHI 1+60S 1+30E	14	97	.2	41	9	1
SHI 1+60S 1+40E	13	59	.2	46	9	1
SHI 1+60S 1+50E	11	94	.1	45	9	3
SHI 1+60S 1+60E	13	124	.1	40	10	1

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
SHI 1+60S 1+70E	15	82	.1	46	10	3.
SHI 1+60S 1+80E	12	85	.1	47	10	2
SHI 1+60S 1+90E	13	70	.1	38	8	1
SHI 1+60S 2+00E	9	63	.1	33	8	2
SHI 1+90S 0+00E	64	107	.1	811	25	1
SHI 1+90S 0+10E	20	87	.2	211	14	3
SHI 1+90S 0+20E	25	73	.1	395	17	1
SHI 1+90S 0+30E	12	83	.1	295	14	3
SHI 1+90S 0+40E	20	80	.1	113	13	1
SHI 1+90S 0+50E	19	91	.1	64	11	1
SHI 1+90S 0+60E	20	78	.1	71	11	1
SHI 1+90S 0+80E	22	80	.1	68	10	1
SHI 1+90S 1+00E	15	249	.1	29	7	1
SHI 1+90S 1+20E	12	121	.1	37	8	1
SHI 1+90S 1+40E	15	66	.1	41	8	1
SHI 1+90S 1+60E	12	170	.1	28	7	2
SHI 1+90S 1+80E	12	66	.1	47	9	1
SHI 1+90S 2+00E	35	76	.1	35	13	1
SHI 2+20S 0+00E	38	142	.2	91	10	52
SHI 2+20S 0+20E	56	100	.1	171	13	2
SHI 2+20S 0+40E	14	70	.1	66	9	1
SHI 2+20S 0+60E	15	80	.1	57	9	2
SHI 2+20S 0+80E	36	101	.2	53	10	1
SHI 2+20S 1+20E	22	92	.1	75	11	1
SHI 2+20S 1+40E	13	85	.2	35	8	1
SHI 2+20S 1+60E	20	86	.2	41	8	11
SHI 2+20S 1+80E	22	78	.1	65	10	1
SHI 2+20S 2+00E	20	74	.1	59	9	1
STD C/AU-S	57	132	6.9	67	28	51

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L10W 0+50N	15	72	.1	24	7	1
L10W 0+00S	21	156	.2	46	9	2
L10W 0+50S	34	155	.1	49	13	1
L10W 1+00S	11	111	.1	14	4	2
L10W 1+50S	24	111	.1	39	10	1
L10W 2+00S	18	111	.1	53	10	4
L10W 2+50S	23	110	.1	51	12	2
L10W 3+00S	49	108	.2	67	13	1
L10W 3+50S	19	125	.1	45	11	1
L10W 4+00S	17	119	.1	47	10	1
L10W 4+25S	17	114	.1	49	9	2
L10W 4+50S	14	63	.1	28	6	1
L10W 4+75S	13	91	.1	41	9	1
L10W 5+00S	33	87	.3	39	9	1
L10W 5+25S	39	95	.1	38	11	2
L10W 5+50S	27	96	.1	42	10	1
L10W 5+75S	39	94	.1	55	13	1
L10W 6+00S	18	103	.2	52	11	1
STD C/AU-S	59	132	7.0	69	28	49
L10W 6+50S	26	87	.1	48	12	1
L10W 7+00S	29	94	.1	36	12	3
L10W 7+50S	28	92	.1	29	9	1
L10W 8+00S	26	93	.1	31	9	1
L10W 8+50S	30	249	.1	15	7	1
L10W 10+00S	31	96	.1	32	8	1
L9W 2+00N	36	85	.1	94	13	1
L9W 1+50N	10	147	.1	38	9	1
L9W 1+00N	30	162	.2	45	11	1
L9W 0+50N	80	69	.1	45	10	2
L9W 0+00S	65	111	.2	111	15	2
L9W 0+50S	41	120	.1	118	18	1
L9W 1+00S	30	114	.1	76	15	1
L9W 1+50S	19	221	.2	30	8	4
L9W 2+00S	16	68	.1	30	12	2
L9W 2+50S	26	75	.1	36	8	1
L9W 3+00S	25	164	.1	31	11	1
L9W 3+50S	46	158	.1	70	15	2

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L9W 4+00S	38	257	.1	42	19	1
L9W 5+00S	11	165	.2	19	7	6
L9W 5+25S	32	170	.1	47	19	2
L9W 5+50S	59	177	.1	71	25	1
L9W 5+75S	13	108	.2	36	8	1
L9W 6+00S	11	240	.2	23	8	2
L9W 6+50S	36	128	.1	69	13	2
L9W 7+00S	49	102	.1	67	16	1
L9W 7+50S	21	179	.1	41	11	3
L9W 8+00S	16	215	.1	49	13	1
L9W 8+50S	18	89	.1	44	11	2
STD C	59	134	7.0	69	29	52
L9W 9+00S	21	77	.2	45	11	3
L9W 9+50S	24	106	.2	44	10	2
L9W 10+00S	14	145	.1	22	8	4
L8W 2+00N	19	53	.2	27	7	2
L8W 1+50N	54	141	.1	41	13	1
L8W 1+00N	34	127	.1	110	14	1
L8W 0+50N	26	105	.1	63	17	1
L8W 0+00S	19	184	.3	69	16	1
L8W 0+50S	20	86	.1	56	12	2
L8W 1+00S	44	140	.1	131	19	1
L8W 5+50S	18	113	.2	55	11	1
L8W 6+00S	14	122	.1	48	11	2
L8W 6+50S	15	200	.2	30	12	7
L8W 7+00S	27	156	.2	62	13	1
L8W 8+00S	26	91	.2	64	12	4
L8W 8+50S	19	103	.1	41	10	2
L8W 9+00S	20	129	.3	38	9	1
L8W 9+50S	20	103	.1	35	11	2
L8W 10+00S	11	81	.2	31	7	2
L7W 2+00N	28	80	.1	39	9	2
L7W 1+50N	25	89	.1	29	7	1
L7W 1+00N	47	135	.1	168	22	1
L7W 0+50N	18	152	.1	36	11	1
L7W 0+00S	42	98	.1	75	17	1
L7W 0+50S	25	100	.1	47	10	7

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L7W 1+00S	27	91	.1	37	10	1
L7W 1+50S	29	171	.1	60	17	2
L7W 2+00S	43	195	.1	50	15	1
L7W 3+50S	59	221	.1	39	26	1
L7W 4+00S	115	215	.1	46	20	1
L7W 4+50S	80	155	.1	139	32	1
L7W 5+00S	83	243	.1	85	34	1
L6W 2+00N	29	67	.1	26	8	1
L6W 1+50N	22	70	.1	31	8	5
L6W 1+00N	32	108	.3	71	12	1
L6W 0+50N	28	57	.1	34	9	1
L6W 0+00S	30	53	.1	195	17	2
L6W 0+50S	22	126	.3	27	15	4
L6W 1+00S	66	140	.2	69	20	1
L6W 1+50S	21	181	.1	33	13	1
L6W 2+00S	27	175	.1	24	18	1
L6W 3+00S	38	113	.2	44	13	4
L6W 3+50S	51	154	.1	63	31	1
L6W 4+00S	17	117	.1	24	21	1
STD C/AU-S	57	129	6.8	71	29	51
L6W 4+50S	19	113	.1	19	7	1
L6W 5+00S	26	125	.1	52	16	1
L6W 5+25S	21	121	.1	42	14	1
L6W 5+50S	13	118	.1	25	13	2
L5W 1+50N	35	69	.1	24	9	5
L5W 1+25N	19	214	.1	24	10	1
L5W 1+10N	36	79	.1	28	9	1
L5W 1+00N	18	109	.2	28	9	1
L5W 0+75N	17	139	.1	27	11	1
L5W 0+50N	10	91	.1	13	6	2
L5W 0+25N	28	70	.2	23	9	1
L5W 0+00S	15	143	.1	31	10	1
L5W 0+50S	29	115	.1	48	10	1
L5W 1+00S	29	119	.2	72	13	4
L5W 1+50S	26	149	.2	38	16	1
L5W 2+00S	26	88	.1	29	10	1
L5W 2+50S	16	88	.1	18	8	1



SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L5W 3+00S	6	54	.1	6	2	1
L5W 3+50S	11	105	.3	28	8	10
L5W 4+00S	25	148	.1	34	19	1
L5W 4+50S	32	99	.1	36	11	1
L5W 4+75S	17	101	.2	12	7	3
L5W 5+25S	14	121	.1	15	6	1
L5W 5+50S	7	85	.1	12	8	1
L4+50W 0+62.5N	34	91	.1	25	9	1
L4+50W 0+50N	21	111	.1	21	8	1
L4+50W 0+37.5N	9	82	.1	13	6	1
L4+50W 0+25N	12	42	.2	10	4	1
L4+50W 0+12.5N	16	95	.2	22	9	1
L4+50W 0+00N	26	132	.1	30	10	1
STD C/AU-S	58	134	7.1	72	29	50
L4+50W 0+00N NEAR OUT.	28	75	.1	21	8	1
L4+50W 0+12.5S	33	72	.1	23	9	1
L4+50W 0+25S	35	92	.1	31	11	1
L4+50W 0+37.5S	20	56	.1	19	9	1
L4+50W 0+50S	14	91	.1	29	10	1
L4+50W 0+62.5S	33	172	.1	128	16	1
L4+50W 0+75S	34	192	.1	114	16	1
L4W 2+00N	26	51	.1	19	7	2
L4W 1+50N	29	84	.2	34	9	1
L4W 1+00N	9	63	.1	10	4	1
L4W 0+50N	29	127	.1	18	8	4
L4W 0+00S	17	70	.1	26	10	1
L4W 0+50S	26	79	.1	29	10	1
L4W 1+00S	42	207	.1	53	12	1
L4W 1+50S	19	119	.2	27	9	2
L4W 2+00S	19	256	.2	14	11	1
L4W 2+50S	21	150	.1	76	12	1
L4W 3+00S	7	125	.1	16	5	1
L4W 3+50S	24	94	.2	33	8	1
L4W 4+50S	15	141	.1	31	10	2
L4W 4+75S	11	145	.1	34	17	1
L4W 5+00S	36	59	.1	16	7	1
L4W 5+50S	21	69	.1	20	7	1

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L4W 5+75S	27	66	.1	20	7	5
L4W 6+00S	23	83	.1	17	6	1
L3W 2+00N	16	83	.1	20	8	1
L3W 1+50N	24	73	.1	24	8	1
L3W 1+00N	29	89	.1	21	6	3
L3W 0+50N	13	100	.2	15	6	1
L3W 0+00S	13	96	.2	12	6	1
L3W 1+00S	16	73	.1	18	10	1
L3W 1+50S	11	88	.1	91	8	1
L3W 2+00S	19	119	.1	59	16	1
L3W 2+50S	12	109	.3	28	8	1
L3W 3+00S	18	213	.1	34	18	1
L3W 3+50S	31	238	.1	178	24	1
L3W 6+00S	12	115	.1	23	9	1
L3W 6+50S	17	67	.1	17	6	2
L3W 7+00S	20	116	.1	21	8	1
L3W 7+50S	20	115	.1	24	9	1
L3W 8+50S	10	108	.1	29	9	1
L3W 9+00S	15	93	.1	33	9	1
L3W 9+50S	27	78	.1	31	9	1
L3W 10+00S	29	97	.3	31	9	3
L3W 10+50S	16	86	.1	30	9	1
L3W 11+00S	7	151	.1	22	6	1
L3W 11+50S	20	97	.1	45	11	1
L3W 12+00S	21	99	.1	54	10	2
L3W 12+50S	58	198	.1	160	37	1
L3W 13+00S	28	92	.2	37	10	1
L3W 13+50S	18	113	.1	59	10	1
L3W 14+00S	37	94	.1	153	27	1
L3W 14+50S	123	28	.5	23	3	1
L3W 15+00S	34	76	.3	51	12	1
L3W 15+50S	13	126	.1	26	7	2
L3W 16+00S	14	63	.1	43	11	1
L3W 16+50S	12	107	.1	32	8	1
L3W 17+00S	13	131	.1	31	8	1
L3W 17+50S	45	114	.1	39	18	1
STD C/AU-S	59	135	7.0	70	29	47

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L2W 2+00N	9	92	.3	15	7	1
L2W 1+50N	23	98	.5	21	8	1
L2W 1+00N	24	112	.3	30	11	2
L2W 0+50N	19	103	.2	19	6	3
L2W 0+00S	16	98	.1	22	8	1
L2W 0+50S	20	174	.2	54	12	2
L2W 1+00S	9	76	.1	14	4	102
L2W 1+50S	13	75	.1	9	5	2
L2W 2+00S	18	71	.3	20	5	1
L2W 3+00S	18	100	.1	23	6	3
L2W 3+50S	9	68	.1	12	10	1
L2W 4+00S	18	164	.2	52	14	3
L2W 4+50S	7	44	.2	7	2	3
L2W 5+00S	12	82	.2	42	15	2
L1W 2+00N	68	137	.1	79	15	1
L1W 1+50N	45	76	.1	45	25	1
L1W 1+00N	22	127	.5	26	10	3
L1W 0+50N	13	78	.1	14	6	1
STD C/AU-S	57	132	6.9	69	29	52
L1W 0+00S	11	85	.2	15	5	1
L1W 0+50S	9	54	.1	8	4	1
L1W 1+00S	8	52	.2	8	3	1
L1W 1+50S	12	57	.2	12	5	1
L1W 2+00S	29	106	.1	34	9	2
L1W 2+50S	32	82	.1	26	8	1
L1W 3+00S	16	54	.2	12	4	4
L1W 3+50S	48	101	.1	21	12	2
L1W 4+00S	12	98	.1	19	8	1
L1W 4+50S	22	106	.1	32	8	1
L1W 5+00S	19	85	.1	47	11	1
L1W 5+50S	11	76	.1	45	36	1
L1W 6+00S	15	111	.1	78	12	2
LOW 2+00N	42	88	.1	65	15	2
LOW 1+00N	19	58	.2	25	7	1
LOW 0+50N	29	192	.2	44	14	1
LOW 0+00S	21	138	.1	31	9	2
LOW 0+50S	46	83	.8	47	11	1

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
LOW 1+00S	41	100	.5	25	12	1
LOW 1+50S	15	119	.4	21	7	1
LOW 2+00S	18	83	.1	22	7	1
LOW 2+50S	23	64	.1	21	6	.1
LOW 3+00S	16	47	.2	14	4	1
LOW 3+50S	26	103	.2	26	7	1
LOW 4+00S	8	49	.2	10	3	2
LOW 4+50S	27	98	.2	22	8	2
LOW 5+50S	18	108	.1	23	8	1
LOW 6+00S	22	262	.1	53	19	1
LOW 6+50S	30	262	.1	59	21	1
LOW 7+00S	23	63	.1	46	10	1
LOW 7+50S	20	66	.1	16	5	1
LOW 8+00S	16	97	.1	30	9	1
LOW 8+50S	13	99	.1	19	12	1
LOW 8+75S	12	84	.1	16	6	1
LOW 9+25S	16	74	.1	19	8	1
STD C/AU-S	59	132	7.2	69	29	47
LOW 9+50S	9	100	.1	12	5	1
LOW 9+75S	15	89	.1	16	5	1
LOW 10+00S	11	71	.2	7	4	1
LOW 10+25S	19	76	.1	18	6	1
LOW 10+50S	36	135	.3	58	12	1
LOW 11+00S	13	86	.1	18	6	1
LOW 11+50S	13	110	.1	16	7	1
LOW 12+00S	10	53	.1	6	4	2
LOW 12+50S	10	87	.1	21	7	1
TRENCH AT SHOWING #2	26	56	.2	202	8	1
TRENCH WALL SHOWING #2	15	60	.1	1393	66	1

SAMPLE# <i>Silk.</i>	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
L9W 0+55S #1	44	78	.1	147	17	3
L9W 2+75S #2	14	49	.2	30	8	1
L9W 6+80S #3	36	74	.6	48	12	2
L10W 3+00S #4	33	75	.5	32	19	1
L10W 1+00S #5	26	64	.2	105	12	1
L4+00W 1+30S #6	33	103	1.4	55	12	1
L4+50W 0+25N #7	20	69	.1	19	8	1
L4+50W 0+50N #8	34	73	.2	31	9	2
L4+50W 0+25S #9	24	72	.1	27	8	3
L5W 0+10S #10	14	77	.2	22	8	3
L5W 0+25S #11	25	79	.1	28	8	5
#12	38	78	.6	33	10	3
TF 191 #13	22	45	.1	13	6	3
L10+10W 0+00 #14	28	73	.1	203	16	1
L10+85W #15	24	70	.2	35	8	3
L11W 2+00S #16	25	76	.1	147	14	2
L11W 3+25S #17	26	88	.4	25	10	6
L11W 5+55S #18	28	82	.1	29	9	5
L11W 8+75S #19	23	141	.1	28	15	3
L11+25W 2N #20	30	153	.1	54	12	2
L11W 0+70N #21	20	88	.1	33	8	14
L10W 0+10N #22	79	132	.5	142	17	10
L10W 0+20N #23	29	85	.1	72	11	8
L10W 0+60N #24	25	71	.1	32	7	3
L9W 1+70N #25	22	59	.1	24	7	4
L9W 0+70N #26	71	92	.1	179	17	1
L8W 0+85N #27	45	85	.2	174	17	1
L8W 2+00N #28	34	72	.2	44	9	1
L2W 1+00N #29	21	65	.1	35	7	2
LOW 0+20 #30	49	90	.3	39	13	1
LOW 0+55S #31	47	96	.1	72	16	1
LOW 1+00S #32	43	102	.5	29	12	1
LOW 3+80S #33	21	48	.1	16	3	1
LOW 4+00S #34	17	109	.4	15	3	2
LOW 4+75S #35	22	43	.1	18	6	1
LOW 7+05S #36	18	74	.1	38	7	1
STD C/AU-S	60	137	7.0	71	29	47

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
LOW 10+50S #37	68	122	.7	102	17	5
LOW 11+30S #38	28	77	.1	36	9	2
LOW 0+55N #39	43	89	.3	30	10	1
LOW 1+75N #40	58	97	.4	50	12	1
L6W 0+25S #41	22	72	.1	45	8	1
L6W 0+25N #42	27	75	.1	42	8	2
L6W 1+10N #43	23	60	.1	21	8	2
STD C/AU-S	57	130	6.9	67	27	53
L1W 2+35S #44	17	100	.6	14	34	1
L1W 3+00S #45	8	31	.1	6	2	1
L1W 1+25N #46	43	99	.1	41	12	2
#47	42	92	.1	78	13	1
#48	35	69	.1	49	11	1
#49	53	91	.4	79	17	2
#50	58	92	.3	84	19	2
#51	39	73	.1	62	12	3
L2W 0+25S #52	24	86	.2	25	9	1
L2W 1+30N #53	39	74	.1	38	11	1
L2W 2+00N #54	32	73	.1	27	10	1
#55	16	58	.1	20	8	13
#56	43	54	.5	31	9	1
L3W 1+70N #57	27	58	.1	19	7	2
L4W 1+50N #58	42	66	.1	33	10	1
TEXAS BAR #59	46	81	.1	82	15	1
L3W 9+40S	31	92	.2	61	10	1
SS-1	20	60	.1	116	11	1
SS-2	18	58	.1	23	6	7
SS-3	18	58	.1	17	6	1
SS-4	18	53	.1	33	7	2
SS-5	19	52	.1	33	6	1
SS-6	19	51	.1	28	7	1

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU* PPB
RS-87-1	2	6	.1	1	1	1
RS-87-2	5	48	.1	4	1	1
RS-87-3	23	38	.3	8	7	1
RS-87-4	1	17	.2	72	3	3
RS-87-5	2	2	.1	10	1	1
RS-16-1-87	398	73	.1	3466	109	1
RS-17-1-87	13	21	.2	49	3	2
RS-18-1-87	2	18	.1	3	1	2
RS-19-1-87	7	49	.1	5	3	1
RS-20-1-87	4	15	.1	2	1	1
RS-21-1-87	8	5	.1	2	1	2
RS-22-1-87	8	27	.1	1921	73	8
RS-27-1-87	51	17	.1	8	2	43
RS-29-1-87	12	18	.1	11	2	6
RS-16-2-87	1189	81	.3	4123	130	4
RS-19-2-87	10	22	.1	42	4	1
RS-21-2-87	2	2	.1	3	1	1
RS-27-2-87	7	3	.1	13	1	1
RS-16-3-87	9	10	.1	31	2	2
RS-17-3-87	15	58	.1	10	5	1
7W 4+00S	67	56	.3	7	2	1
7W 6+00S	40	129	.2	16	16	1
STD C/AU-R	60	138	7.2	71	29	510

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS, VANCOUVER B.C.  
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JUNE 8 1987

DATE REPORTS MAILED

*June 17/87*

### ASSAY CERTIFICATE

SAMPLE TYPE : BLACK SAND  
TOTAL AU\*\* & PT\*\* BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL PROJECT ROJAL FILE# 87-1629

PAGE# 1

SAMPLE	Total		Sample wt. gm
	Au** mg	Pt** mg	
1	.001	.001	7.3
2	.352	.005	24.2
3	.071	.001	13.7



## ROCK SAMPLE DESCRIPTIONS

- RS 87-1            quartz: white with minor biotite and chlorite and traces of iron stain.
- 87-2             gneiss: qtz. - plag. feld. - biot. with abundant Fe staining and well sheared.
- 87-3             Fe-altered gneiss: qtz - plag (albite) - biot. with abundant Fe stain along fractures and in gneissic planes.
- 87-4             shear zone in qtz. - feld. porph. - biot. gneiss: green (chlorite, actinolite) w 5% qtz. and 5% biot. also.
- 87-5             quartz from float in trench of No. 2 Showing: milky white brittle with minor biot. & chl.
- 7W-4S            gneiss: qtz - plag - biot near airborne EM.
- 7W-6S            gneiss: as above
- 16-1-87          mafic rx: dark, dense, competent w traces of Ni S and slickensides - Norite ?, exposed by trenching at No. 1A Showing.
- 16-2-87          mafic rx: as above
- 16-3-87          quartz: white, milky, nothing visible, expose by trenching at No. 1A Showing.
- 17-1-87          orthogneiss: qtz - fold - biot some Fe staining, foliated, massive o/c.
- 17-2-87          orthogneiss: as above
- 17-3-87          paragneiss: green, chlorite rich, foliated, banded.
- 18-1-87          orthogneiss: qtz & feld. phenocrysts in fn. grn. matrix, foliated.
- 19-1-87          orthogneiss: qtz - plag - bio, coarse qtz and plag., foliated, near airborne EM.

- 19-2-87 quartz stringer in paragneiss: up to 2" wide showing chevron folds, white.
- 20-1-87 quartz rich zone in paragneiss in Gate Creek Canyon.
- 21-1-87 quartz rich zone in orthogneiss associated with jointing; Fe staining with minor biot.
- 21-2-87 quartz in paragneiss: white, competent.
- 22-1-87 mafic rock: black, competent, subangular float, crystals of actinolite ?, found exposed in No. 2 Showing trench - norite?
- 27-1-87 orthogneiss: qtz - plag - biot., Fe staining.
- 27-2-87 quartz in orthogneiss: wht w green specks - chlorite.
- 29-1-87 quartz bleb in orthogneiss: competent, from falls area on Texas Bar Creek.

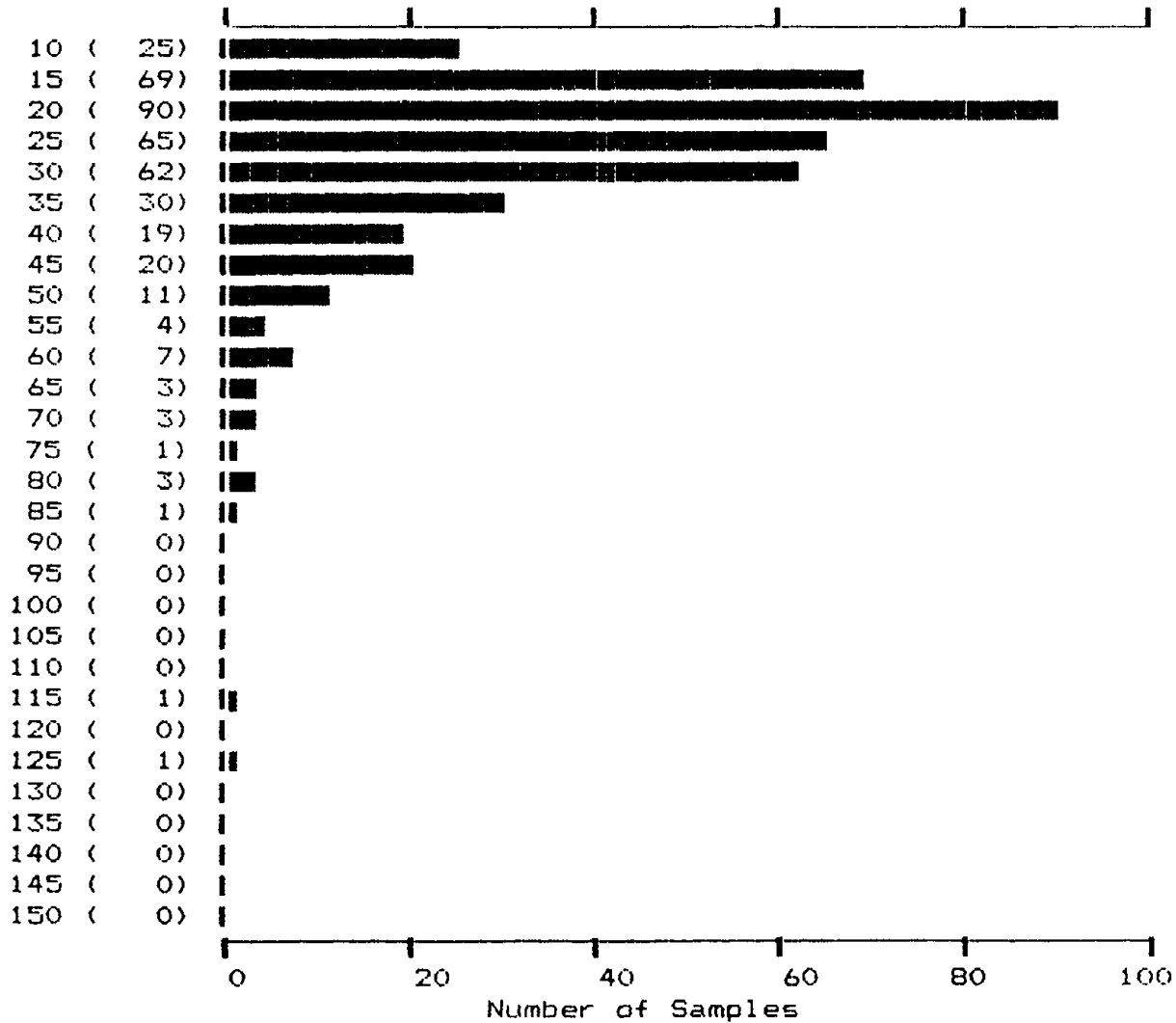
**APPENDIX II:**  
**Histograms for Soil Samples**

**No. 1 Showing Area**

STRATO GEO. (87-1613+1616)

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CU  
(PPM)

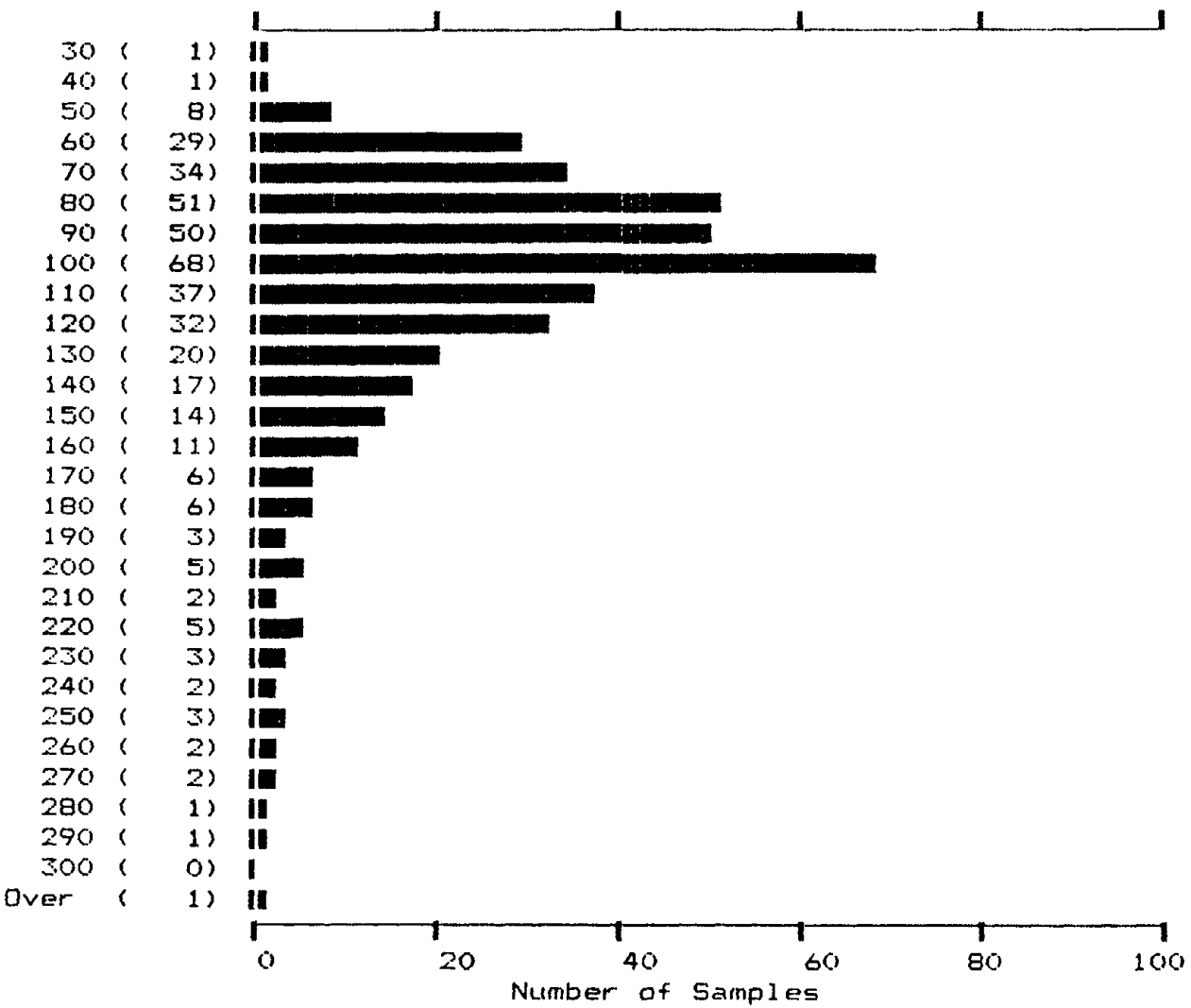


415 Samples	Maximum:	123	Mean:	26
	Minimum:	6	Standard Deviation:	15

STRATO GEO. (87-1613+1616)

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ZN  
(PPM)

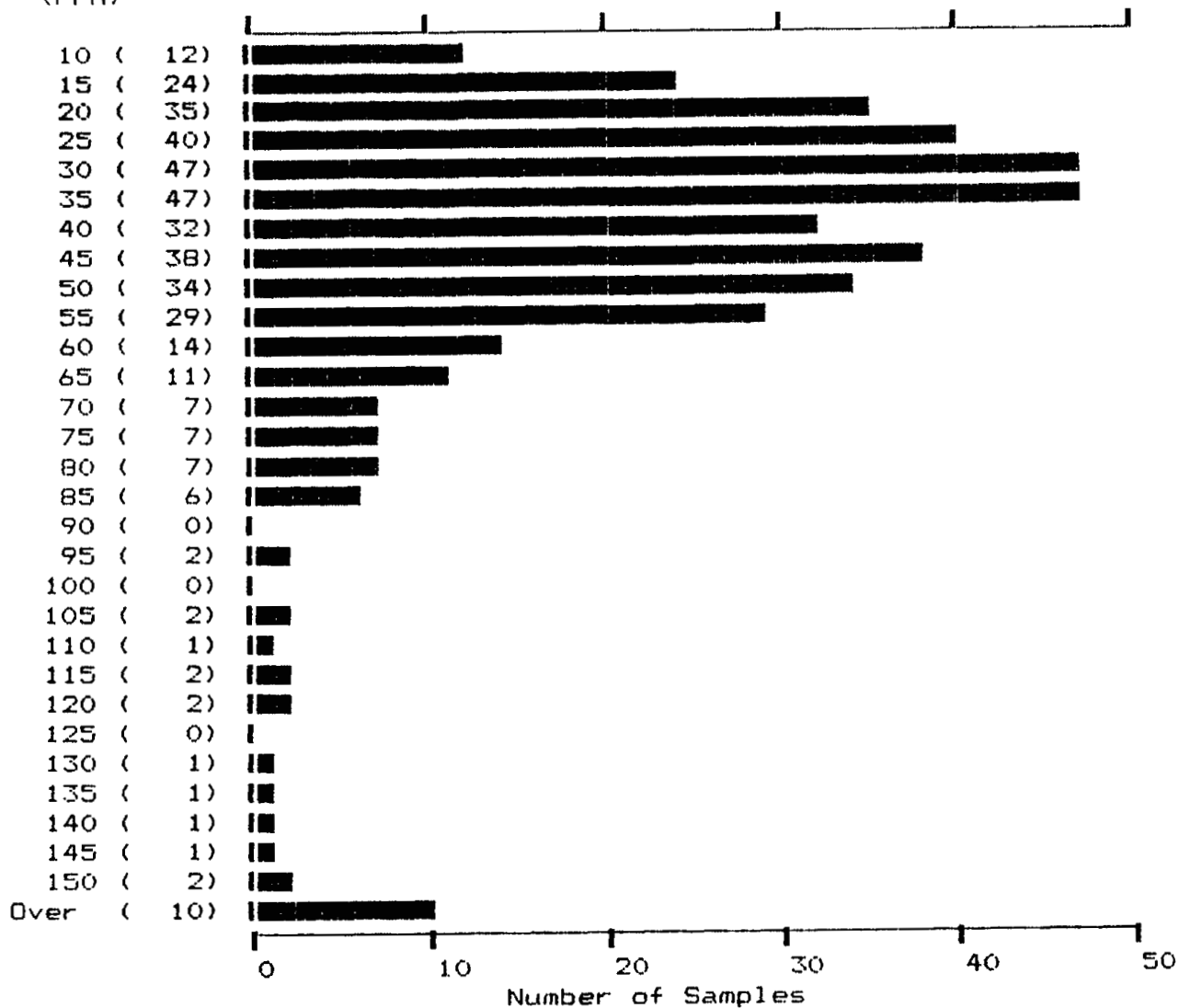


415 Samples      Maximum: 374      Mean: 106  
 Minimum: 28      Standard Deviation: 46

STRATO GEO. (87-1613+1616)

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NI  
(PPM)



415 Samples

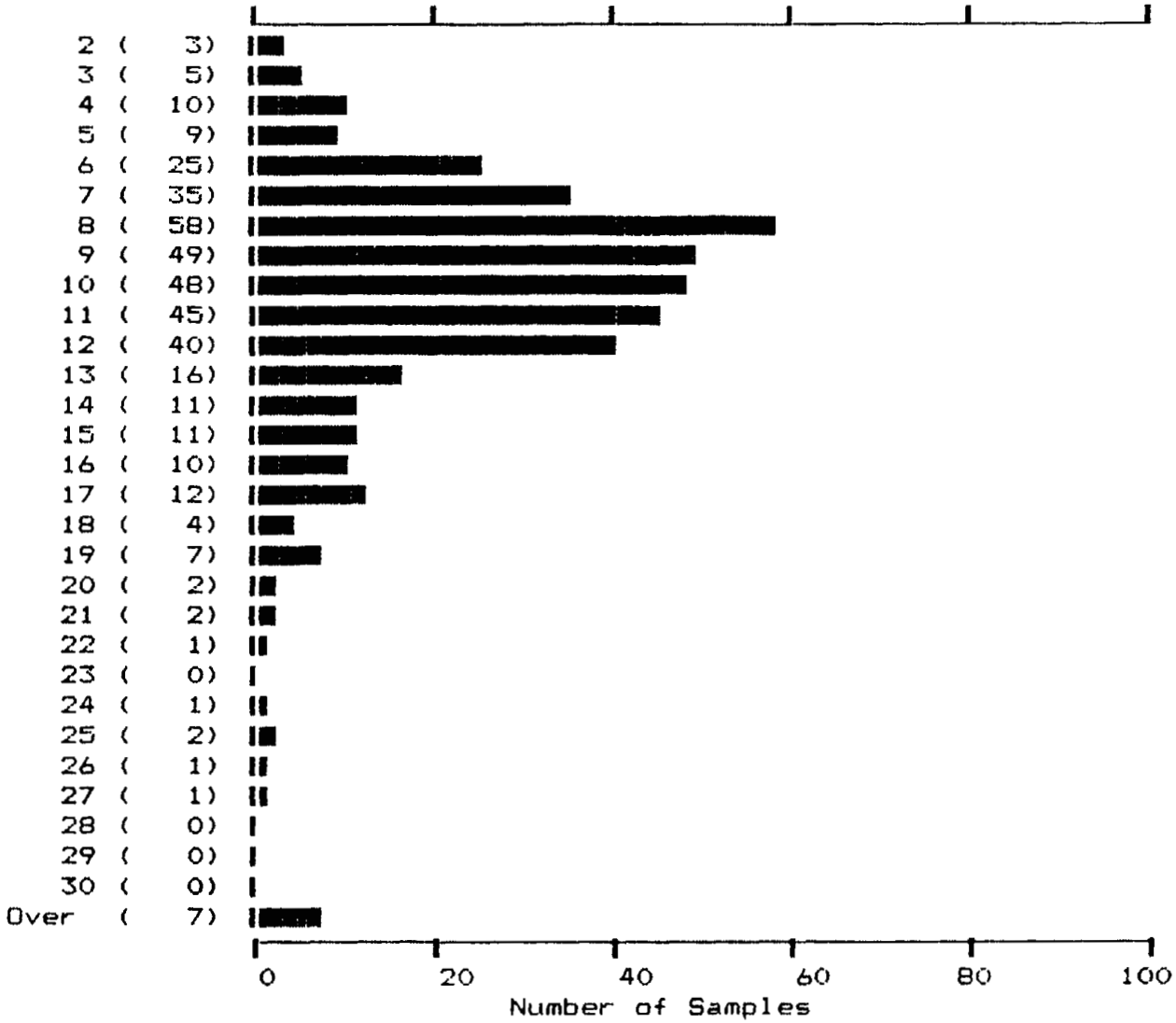
Maximum: 1393  
Minimum: 6

Mean: 46  
Standard Deviation: 73

STRATO GEO. (87-1613+1616)

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CO  
(PPM)

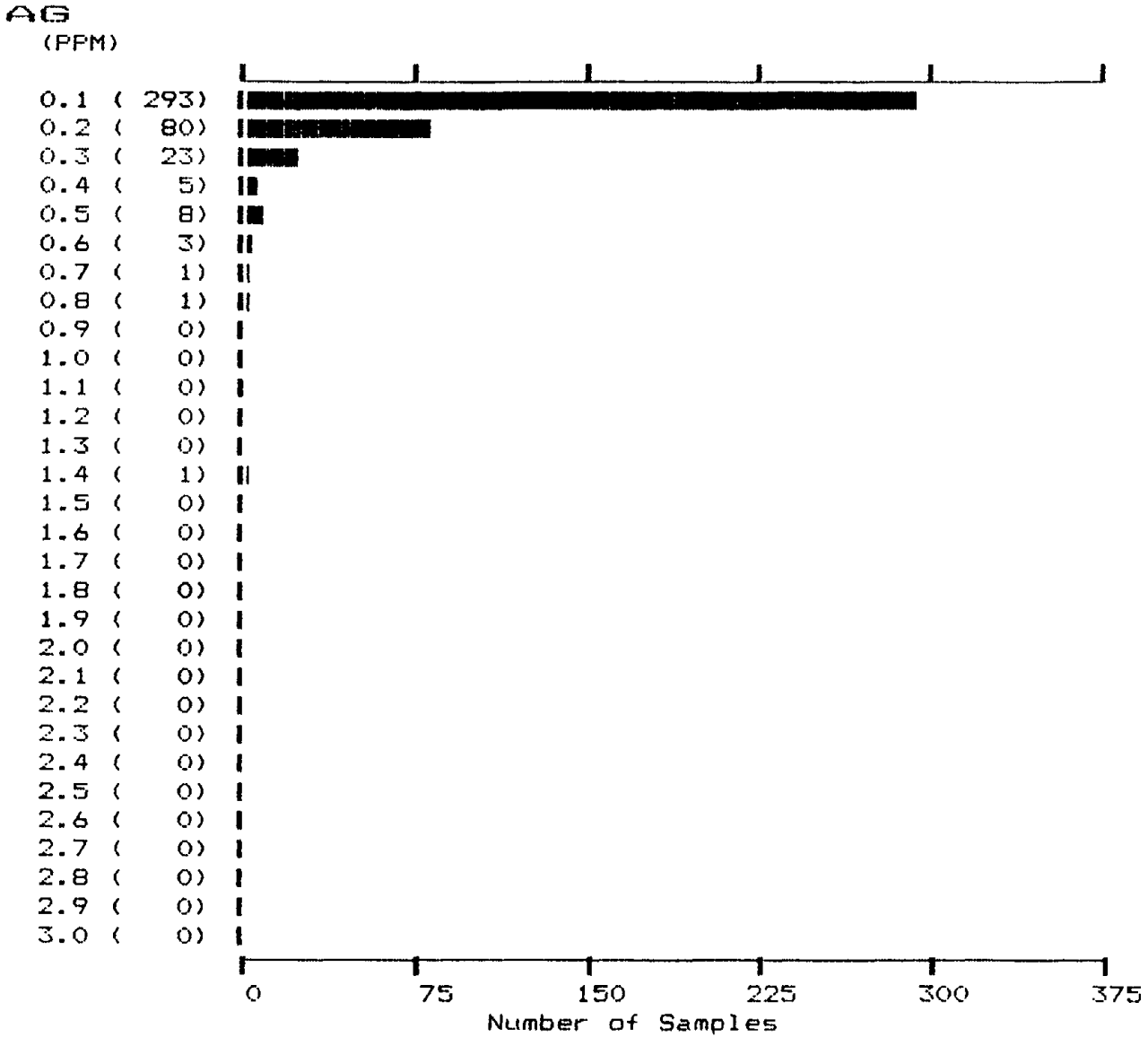


415 Samples      Maximum:      66      Mean:      11  
 Minimum:      2      Standard Deviation:      6



STRATO GEO. (87-1613+1616)

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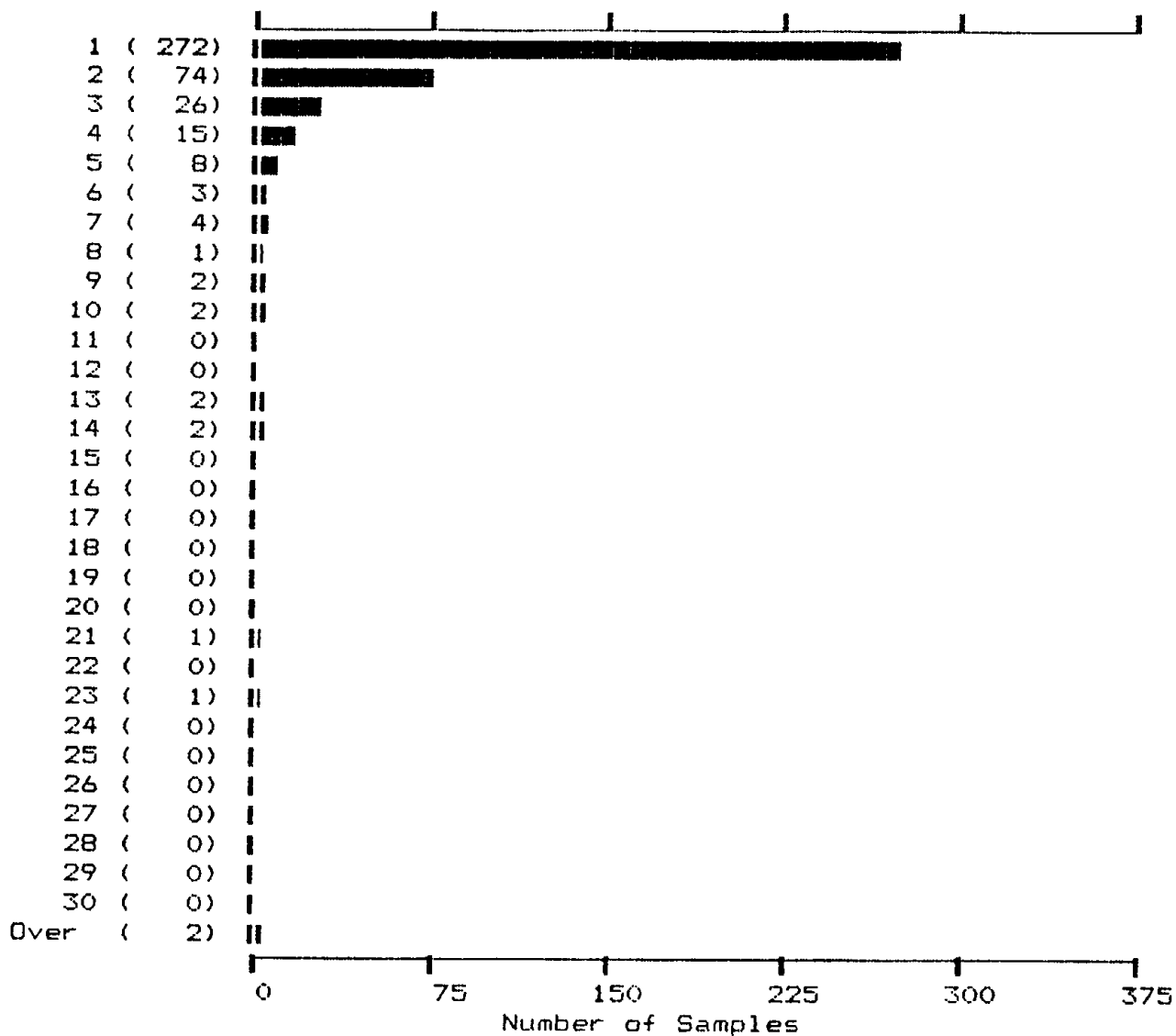


415 Samples      Maximum:      1.4      Mean:      0.2  
 Minimum:      0.1      Standard Deviation:      0.1

STRATO GEO. (87-1613+1616)

---

AU\*  
(PFB)



415 Samples

Maximum: 102  
Minimum: 1

Mean:  
Standard Deviation:

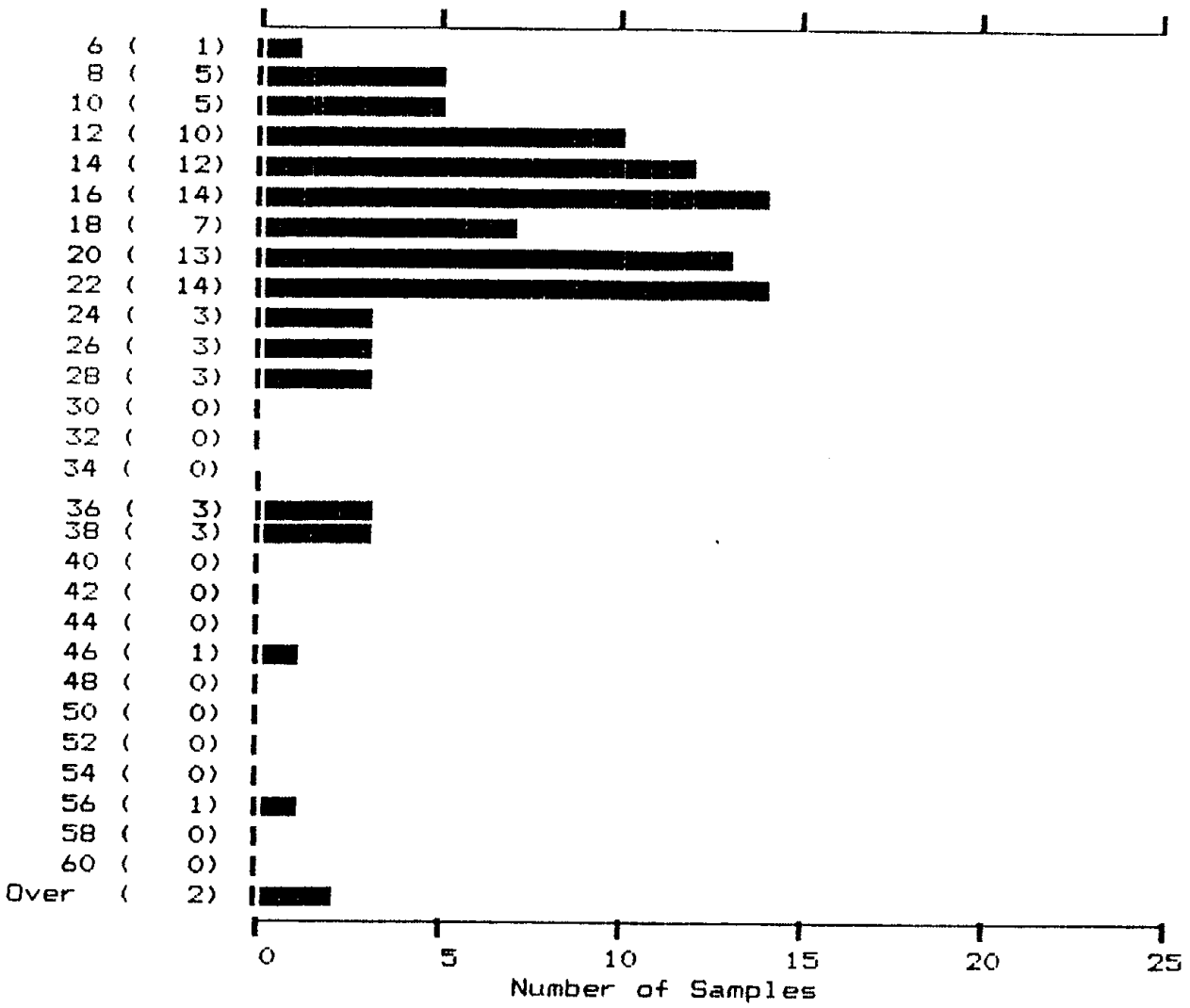
2  
6

**General Area of No. 2 and No. 3 Showings**

STRATO GEOLOG (87-1615)

---

CU  
(PPM)

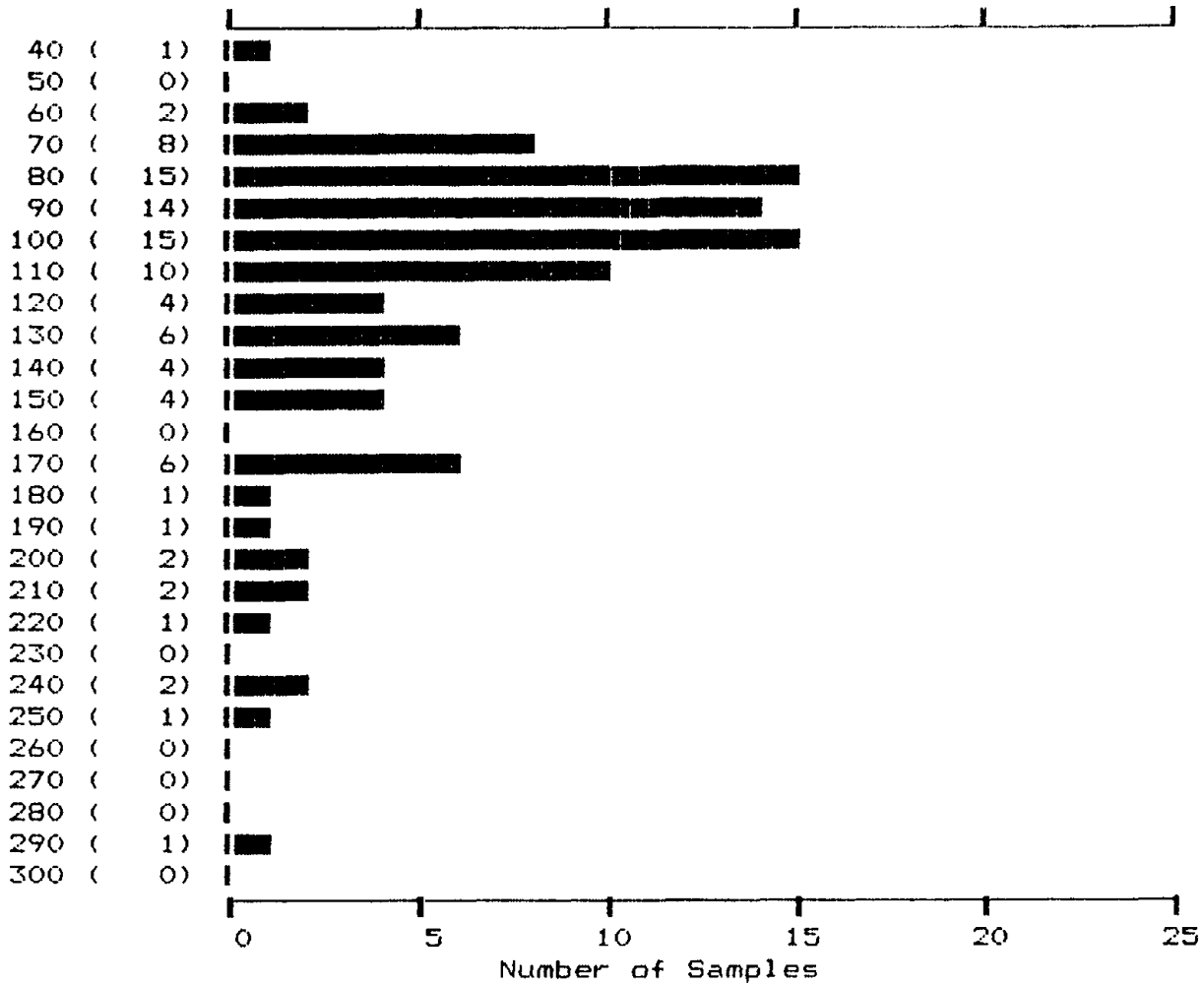


100 Samples      Maximum:    370      Mean:        23  
 Minimum:        6        Standard Deviation:    36

STRATO GEOLOG (87-1615)

---

ZN  
(PPM)



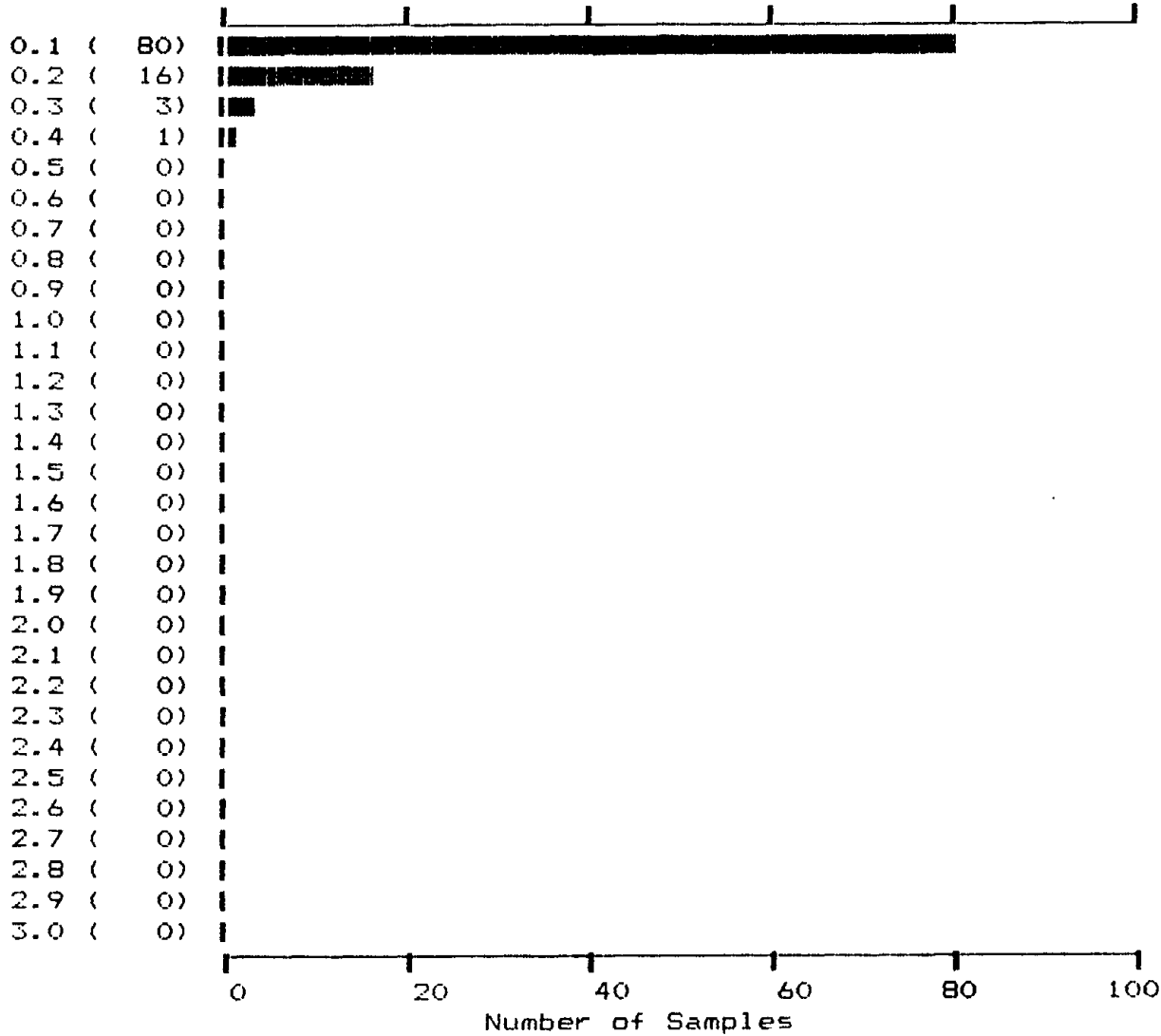
100 Samples	Maximum: 285	Mean: 112
	Minimum: 39	Standard Deviation: 47

STRATO GEOLOG (87-1615)

---

AG

(PPM)



100 Samples

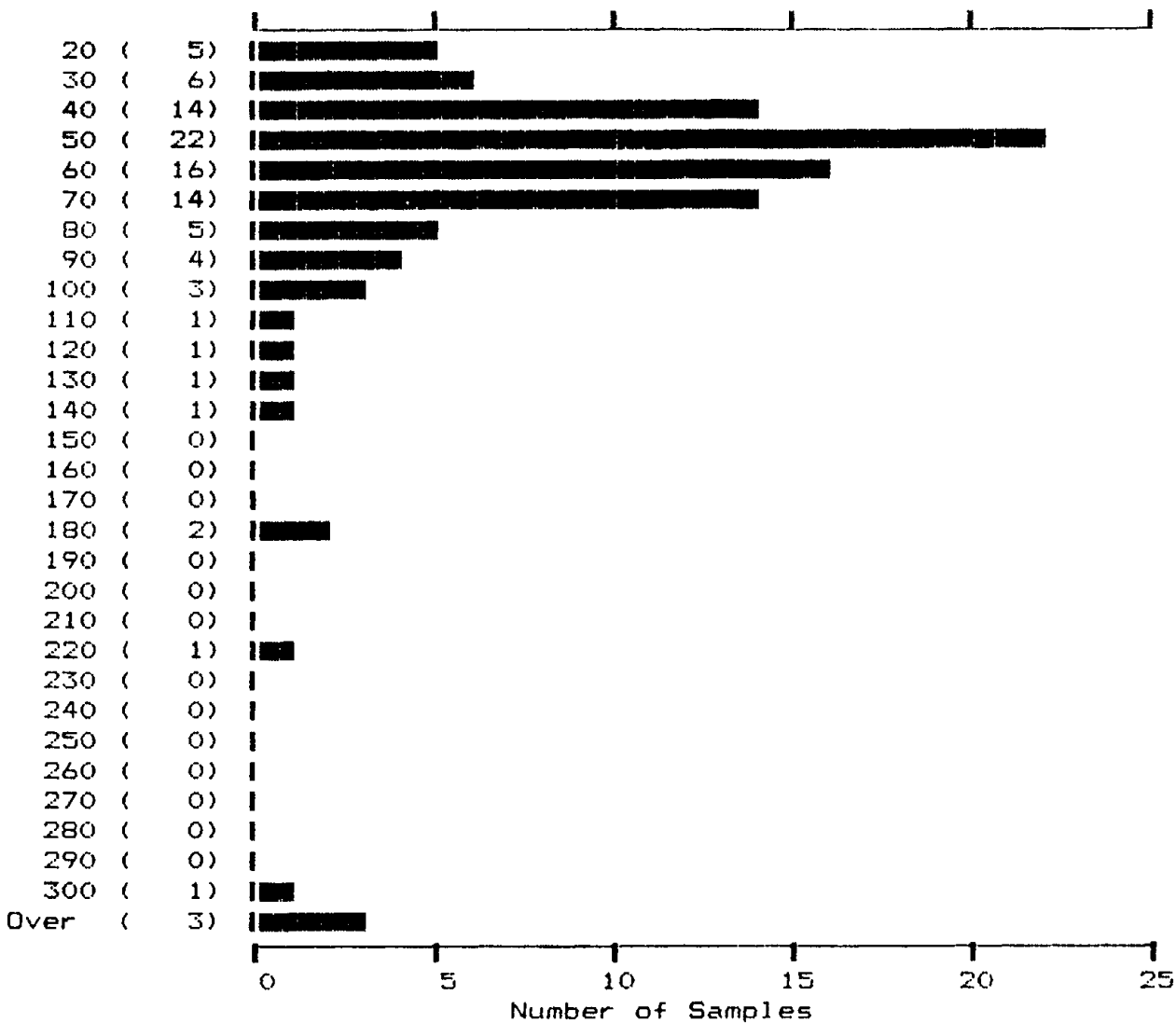
Maximum: 0.4  
Minimum: 0.1

Mean: 0.1  
Standard Deviation: 0.1

STRATO GEOLOG (87-1615)

---

NI  
(PPM)



100 Samples

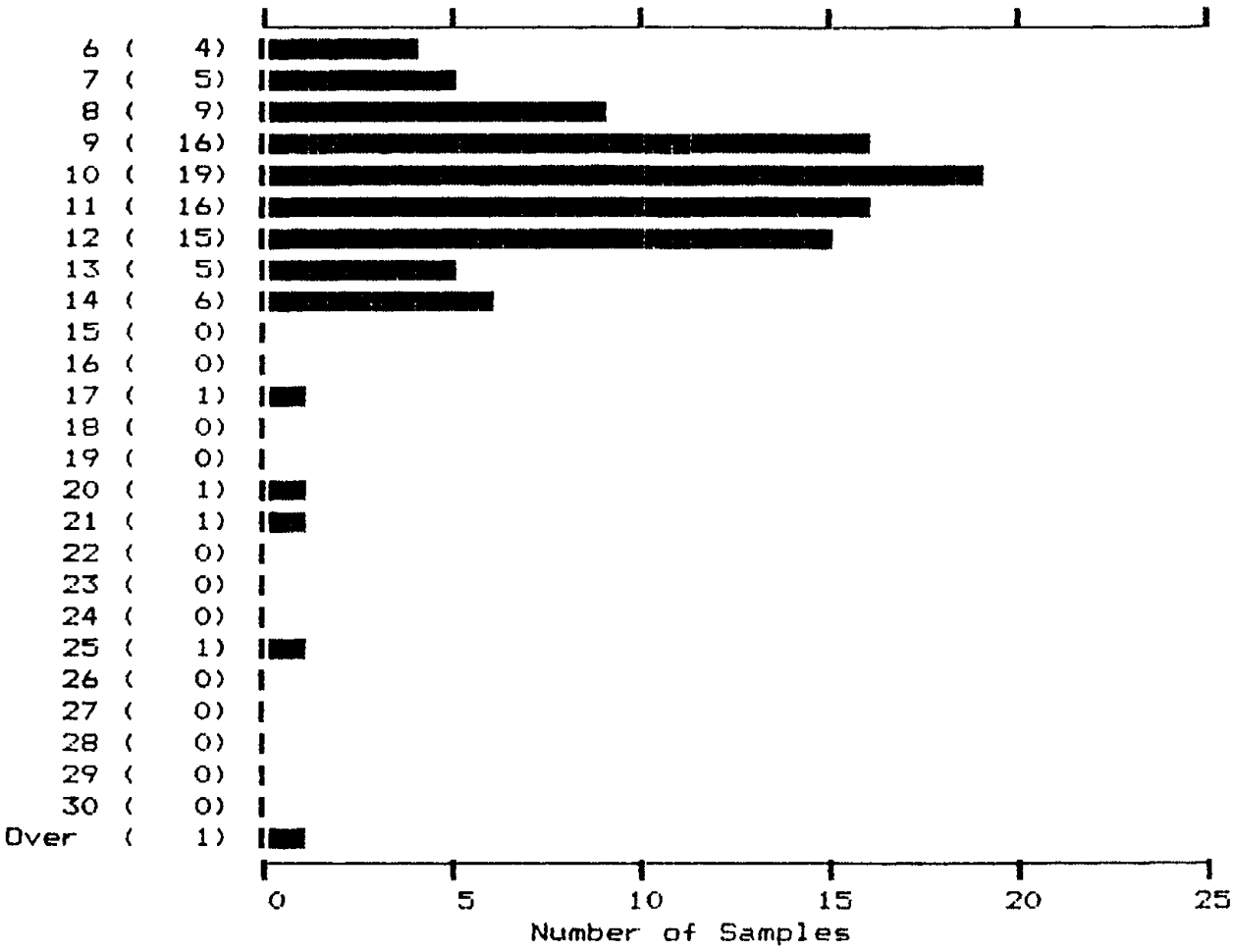
Maximum: 954  
Minimum: 14

Mean: 80  
Standard Deviation: 126

STRATO GEOLOG (87-1615)

---

CO  
(PPM)



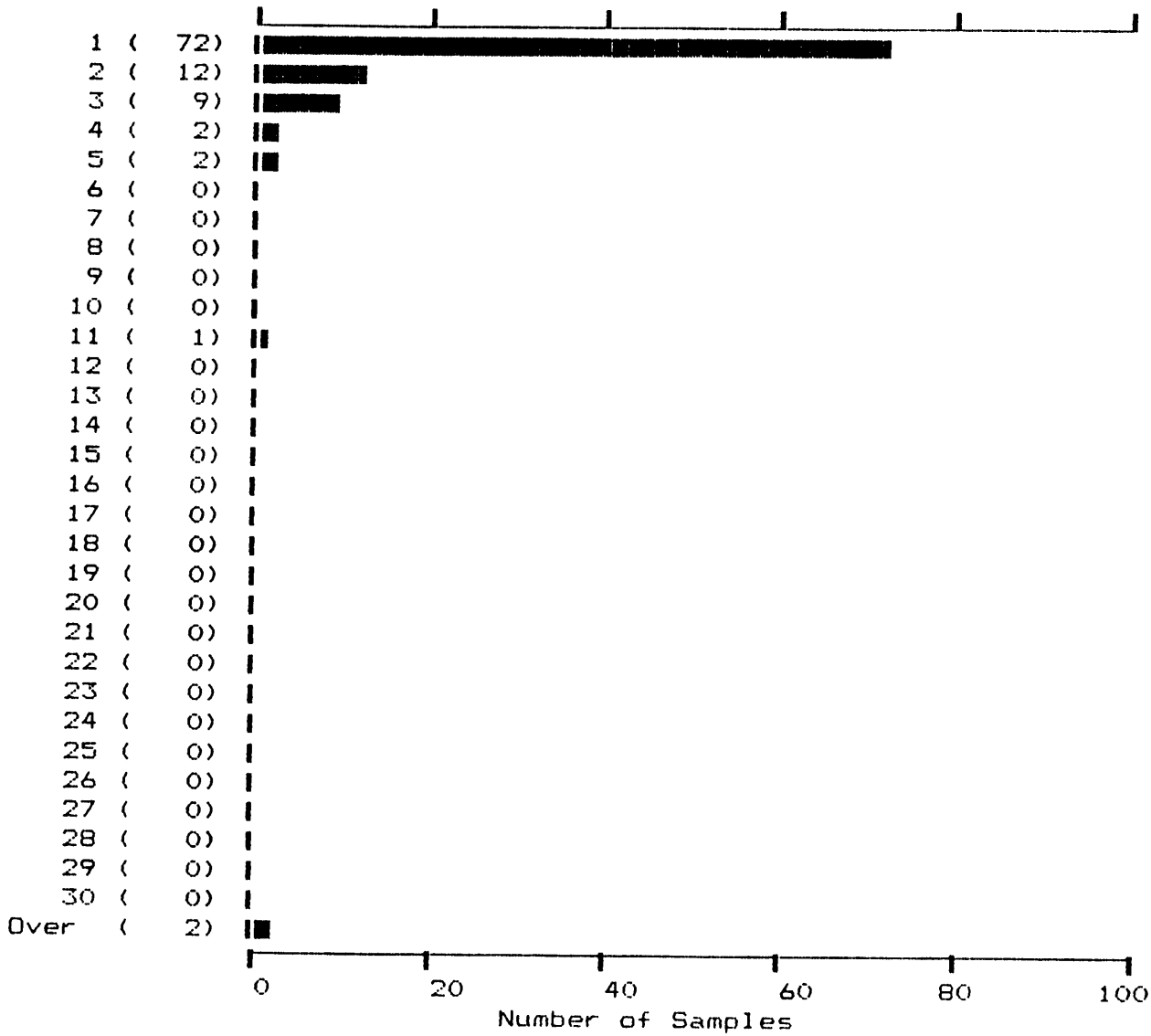
100 Samples	Maximum:	45	Mean:	11
	Minimum:	6	Standard Deviation:	4



STRATO GEOLOG (87-1615)

---

AU\*  
(FPB)



100 Samples      Maximum:      185      Mean:      4  
 Minimum:      1      Standard Deviation:      19

**APPENDIX III: Time/Cost Distribution**

## TIME/COST DISTRIBUTION

A mineral exploration program, comprised of Geological mapping, soils geochemistry, and magnetic surveys was carried out by Strato Geological Engineering Ltd. during the period of May 7 to June 4, 1987. A listing of personnel and distribution of costs is as follows:

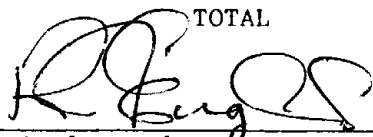
### Personnel

P. Bartier, B.Sc.	Geologist
A. Hunter, B.A.Sc.	Geophysicist
B. Fishel	Field Assistant
R.J. Englund, B.Sc.	Project Geophysicist

### Cost Distribution

Field crew - wages (58 man days)	\$10,875.00
Consulting - R. Englund (incl. 4WD Truck, rm., bd., etc.) - 4 days	1,600.00
Room & Board - 58 md @ 50/d	2,900.00
Transportation - 4WD Truck (incl. milage, gas, oil, etc.)	2,800.00
JD-4 Cat - road repairs & trenching - 56 hrs @ 40/hr (incl. materials & labour for bridge repairs)	2,536.00
Sample analysis for Cu, Zn, Ag, Ni, Co, Au - 515 Soils, 22 Rock geochem., & 3 assays for Au & Pt.	5,465.45
Data processing, drafting, reproduction, copying, etc.	720.00
Geological/Geochemical Report	1,800.00
Contingencies - shipping, field supplies, L.D. telephone, office expense, etc.	<u>115.00</u>
TOTAL	<u>\$28,811.45</u>

Signed

  
Strato Geological Engineering Ltd.

RANDEB IV

RANDEB V

RANDEB I

RANDEB II

Legend

- LANDING
- LAKE
- BASE CAMP
- EVIDENCE OF OLD CAMP
- ROAD
- ROAD WITH SURVEY POINTS
- LAKE
- CLIFFS
- CLAIM BOUNDARY
- GEOLOGIC CONTACT (ASSUMED)
- RS87-3, RS27-1
- FOLIATION GNEISSOSITY (DIPPING, VERTICAL, UNKNOWN)
- PROPOSED FAULT
- OUTCROP
- OUTCROP FORMING CLIFF

- Quartz Diorite: Massive, with weak foliation grading into orthogneiss.
- Orthogneiss: Showing fair to weak foliation. Composition granitic to quartz diorite, although usually granodiorite and poor in mafic minerals.
- Paragneiss: Showing good foliation. Dark banding rich in mafic minerals and light bands with a granodiorite to quartz diorite composition.
- Diabase Dyke

SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU+ PFB
RS-87-1	2	4	1	1	1	1
RS-87-2	5	48	1	4	1	1
RS-87-3	25	18	3	8	7	1
RS-87-4	1	17	2	72	3	3
RS-87-5	2	2	1	10	1	1
RS-16-1-87	398	75	1	3466	109	1
RS-17-1-87	13	21	2	49	3	2
RS-18-1-87	2	18	1	3	1	2
RS-19-1-87	7	49	1	5	5	1
RS-20-1-87	4	15	1	2	1	1
RS-21-1-87	8	5	1	2	1	2
RS-22-1-87	8	27	1	1921	73	8
RS-27-1-87	51	17	1	8	2	43
RS-28-1-87	12	18	1	11	2	4
RS-16-2-87	1189	81	3	4123	130	4
RS-19-2-87	10	22	1	42	4	1
RS-21-2-87	2	2	1	3	1	1
RS-27-2-87	7	3	1	13	1	1
RS-16-3-87	9	10	1	31	2	2
RS-17-3-87	15	58	1	10	5	1
7M 4+008	67	56	3	7	2	1
7M 6+008	40	129	2	16	16	1
STD CYAU-R	60	138	7.2	71	29	510

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SCALE 0 50 100 200 300 400 500 METRES

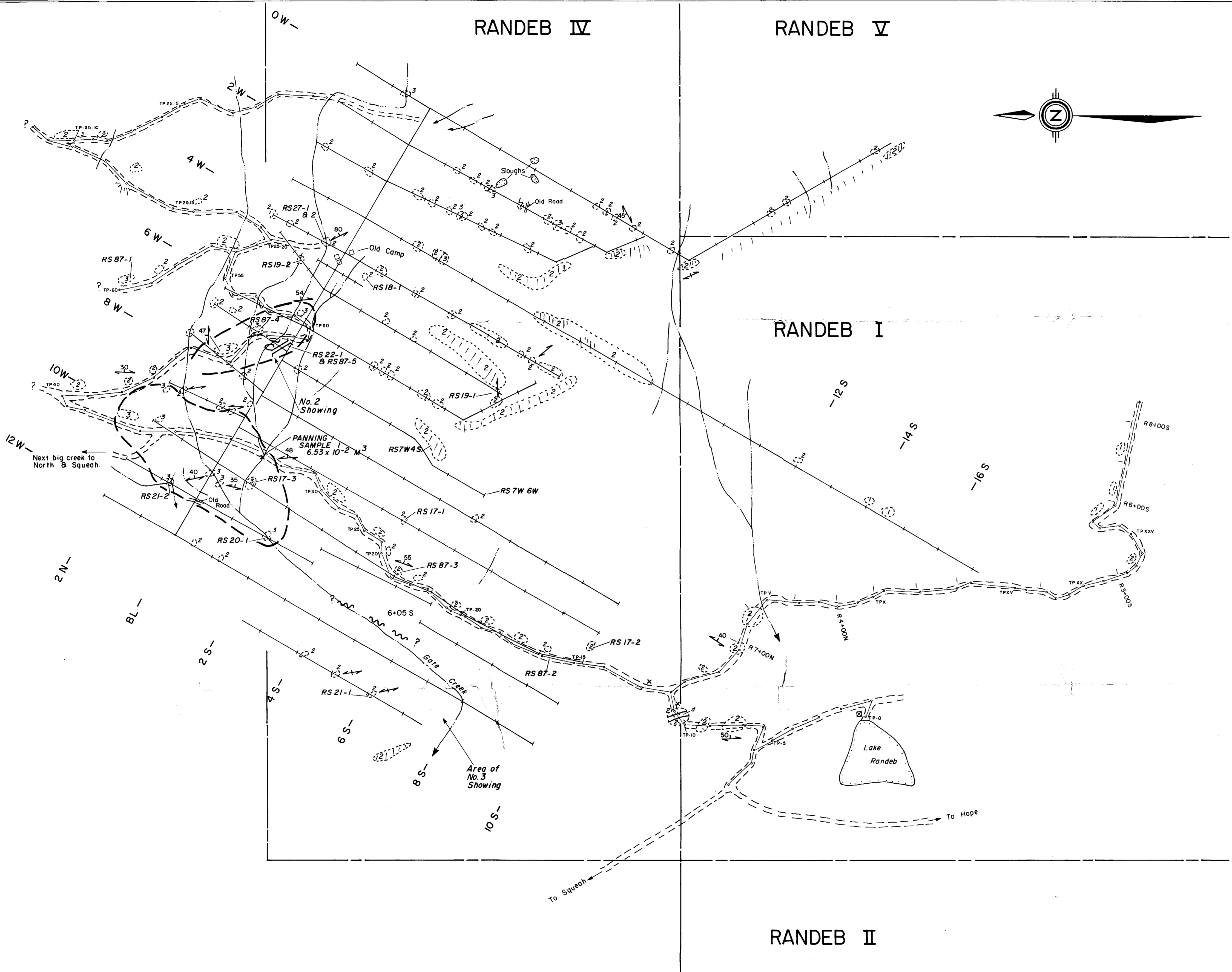
FIGURE: 5

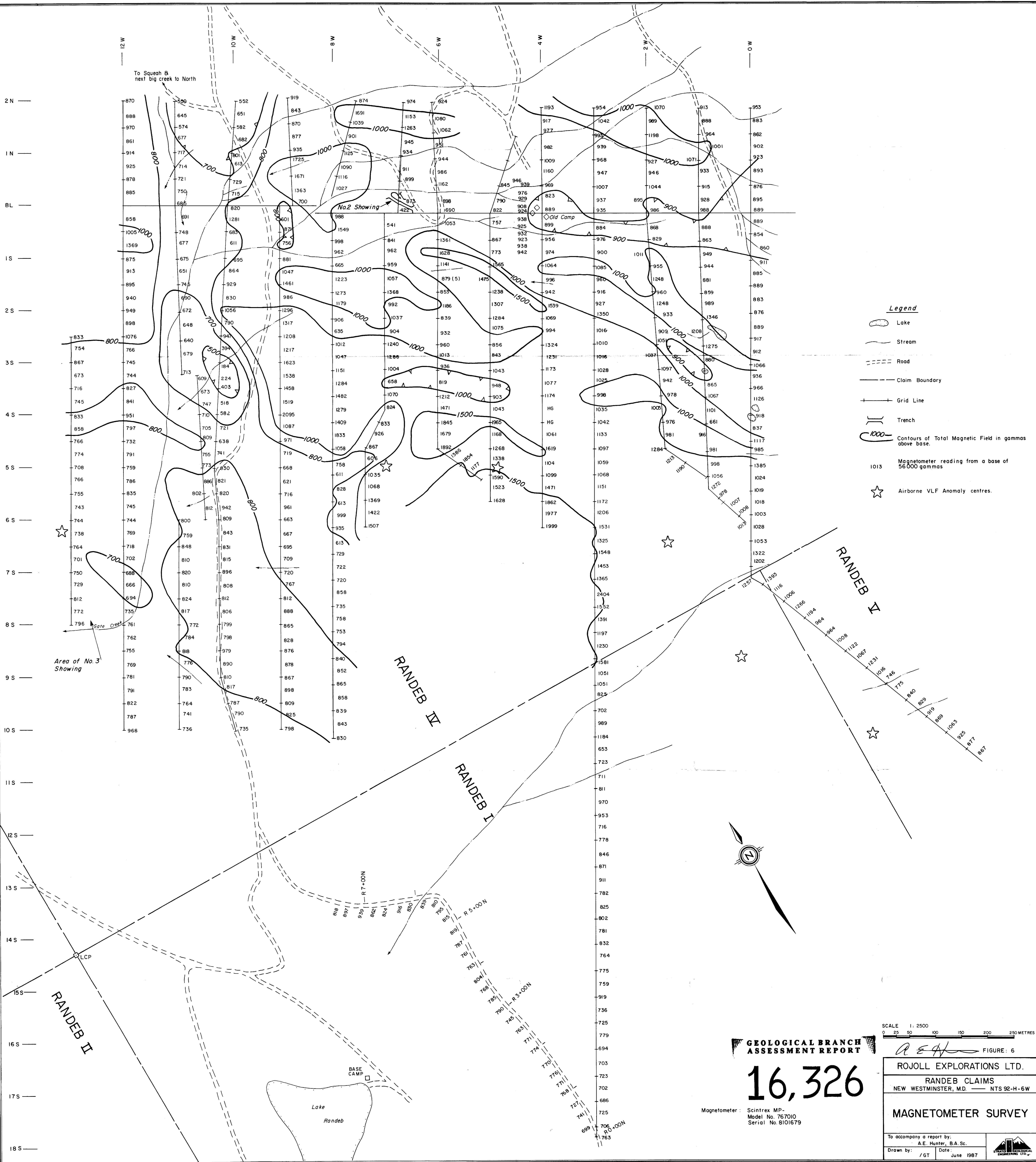
ROJOLL EXPLORATIONS LTD.

RANDEB CLAIMS  
NEW WESTMINSTER, M.D. — NTS 92-H-6W

GEOLOGY & GRID

To accompany a report by:  
A.E. Hunter, B.A.Sc.  
Drawn by: /GT Date: June 1987





- Legend**
- Lake
  - Stream
  - Road
  - Claim Boundary
  - Grid Line
  - Trench
  - Contours of Total Magnetic Field in gammas above base.
  - Magnetometer reading from a base of 56000 gammas
  - Airborne VLF Anomaly centres.

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Magnetometer: Scintrex MP-  
Model No. 767010  
Serial No. 6101679

SCALE 1:2500  
0 25 50 100 150 200 250 METRES

FIGURE: 6

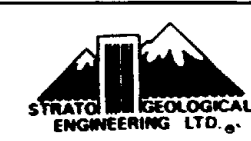
ROJOLL EXPLORATIONS LTD.

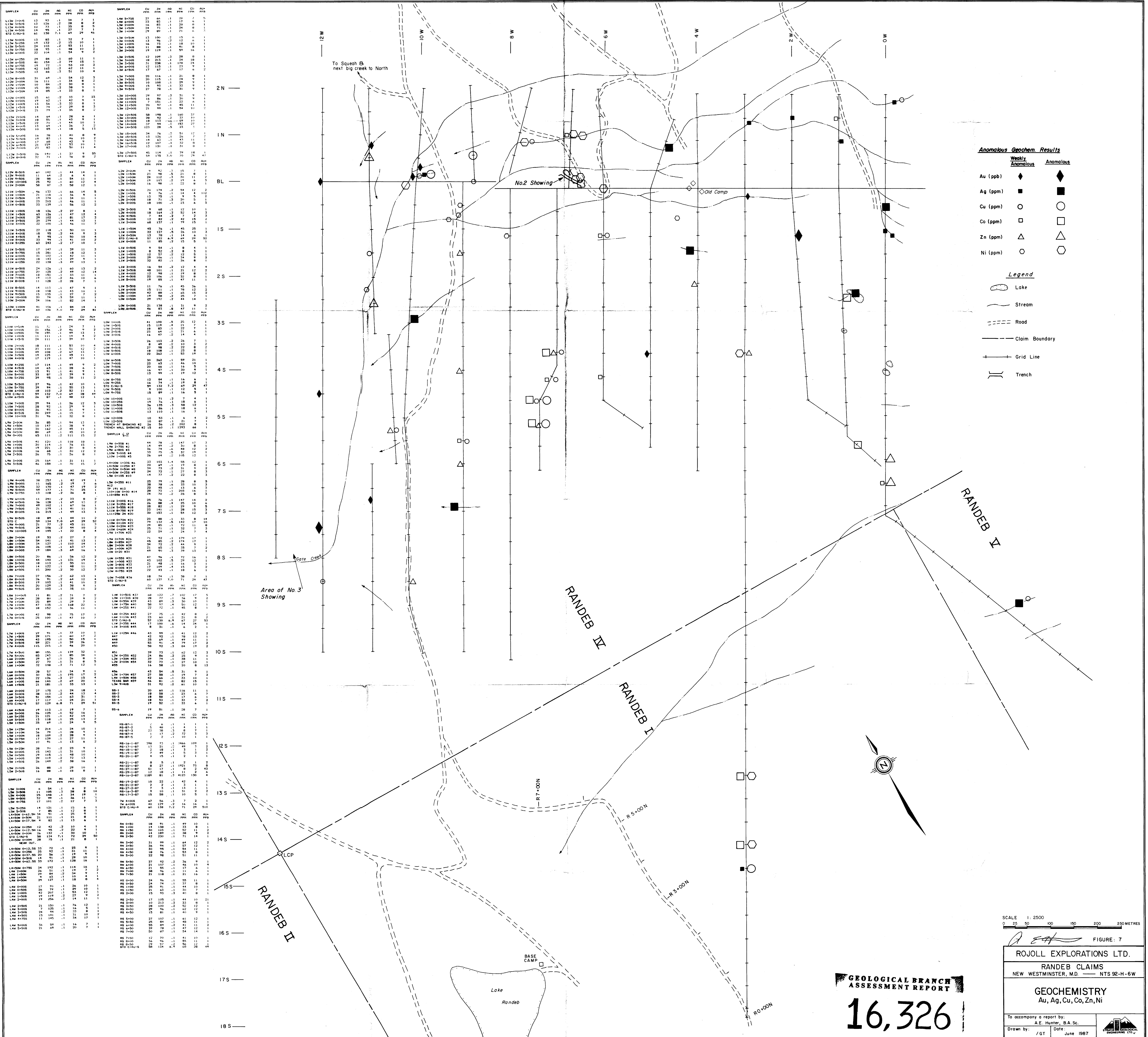
RANDEB CLAIMS  
NEW WESTMINSTER, M.D. — NTS 92-H-6W

**MAGNETOMETER SURVEY**

To accompany a report by:  
A.E. Hunter, B.A. Sc.

Drawn by: /GT Date: June 1987





**Anomalous Geochem. Results**

Element	Weekly Anomalous	Anomalous
Au (ppb)	◆	◆
Ag (ppm)	■	■
Cu (ppm)	○	○
Co (ppm)	□	□
Zn (ppm)	△	△
Ni (ppm)	○	○

**Legend**

- Lake
- Stream
- Road
- Claim Boundary
- Grid Line
- Trench

SCALE 1:2500  
0 25 50 100 150 200 250 METRES

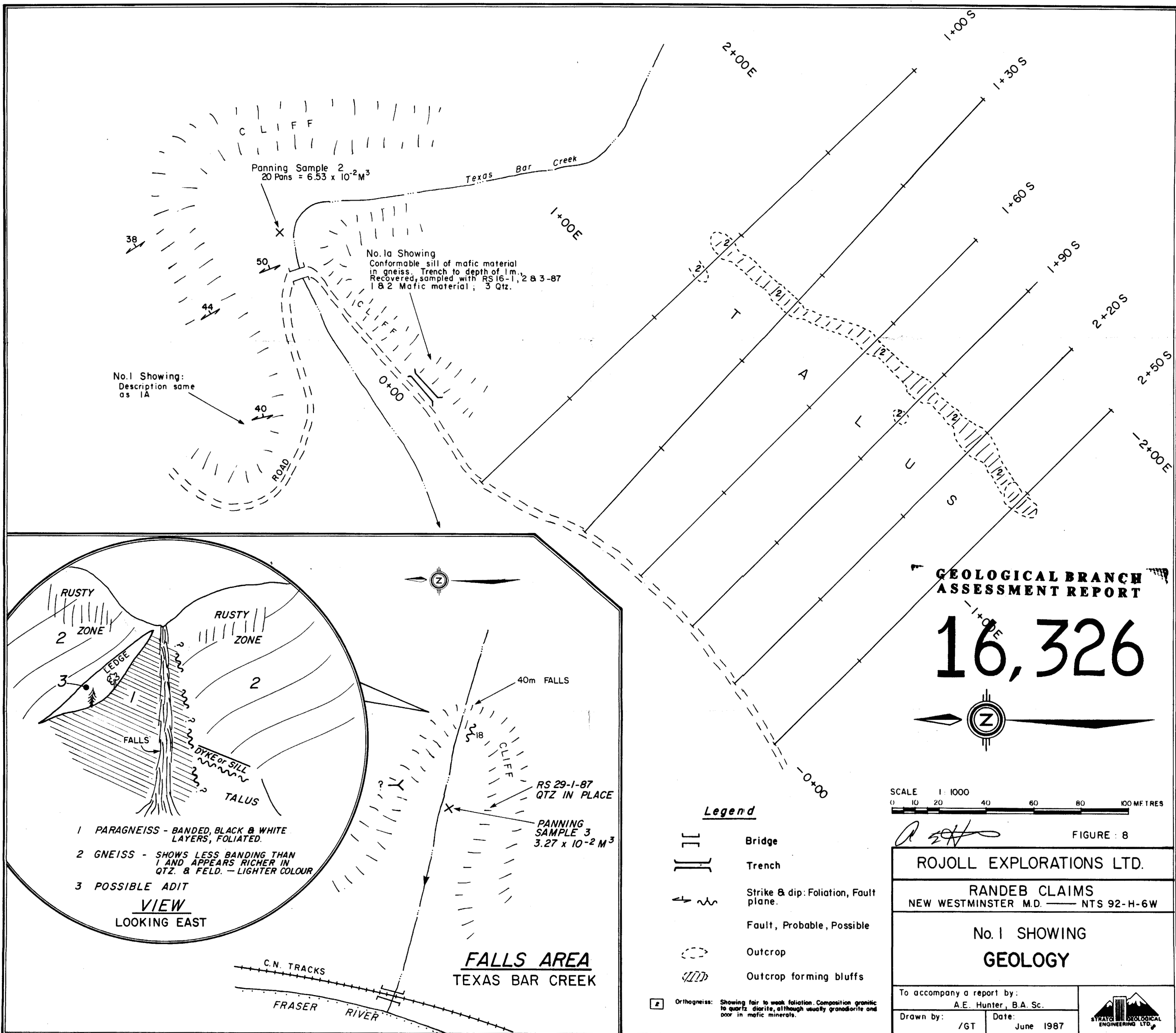
FIGURE 7  
ROJOLL EXPLORATIONS LTD.  
RANDEB CLAIMS  
NEW WESTMINSTER, B.C. NTS 92-H-6W

**GEOCHEMISTRY**  
Au, Ag, Cu, Co, Zn, Ni

To accompany a report by:  
A.E. Hunter, B.A. Sc.

Drawn by: /GT Date: June 1987

**GEOLOGICAL BRANCH**  
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Panning Sample 2  
20 Pans =  $6.53 \times 10^{-2} M^3$

No. 1a Showing  
Conformable sill of mafic material  
in gneiss. Trench to depth of 1m.  
Recovered, sampled with RS 16-1, 2 & 3-87  
1 & 2 Mafic material; 3 Qtz.

No. 1 Showing:  
Description same  
as 1A

**GEOLOGICAL BRANCH  
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SCALE 1:1000  
0 10 20 40 60 80 100 METRES

FIGURE: 8

**ROJOLL EXPLORATIONS LTD.**

**RANDEB CLAIMS**  
NEW WESTMINSTER M.D. — NTS 92-H-6W

**No. 1 SHOWING  
GEOLOGY**

To accompany a report by:  
A.E. Hunter, B.A. Sc.

Drawn by: /GT Date: June 1987

STRATON GEOLOGICAL  
ENGINEERING LTD.

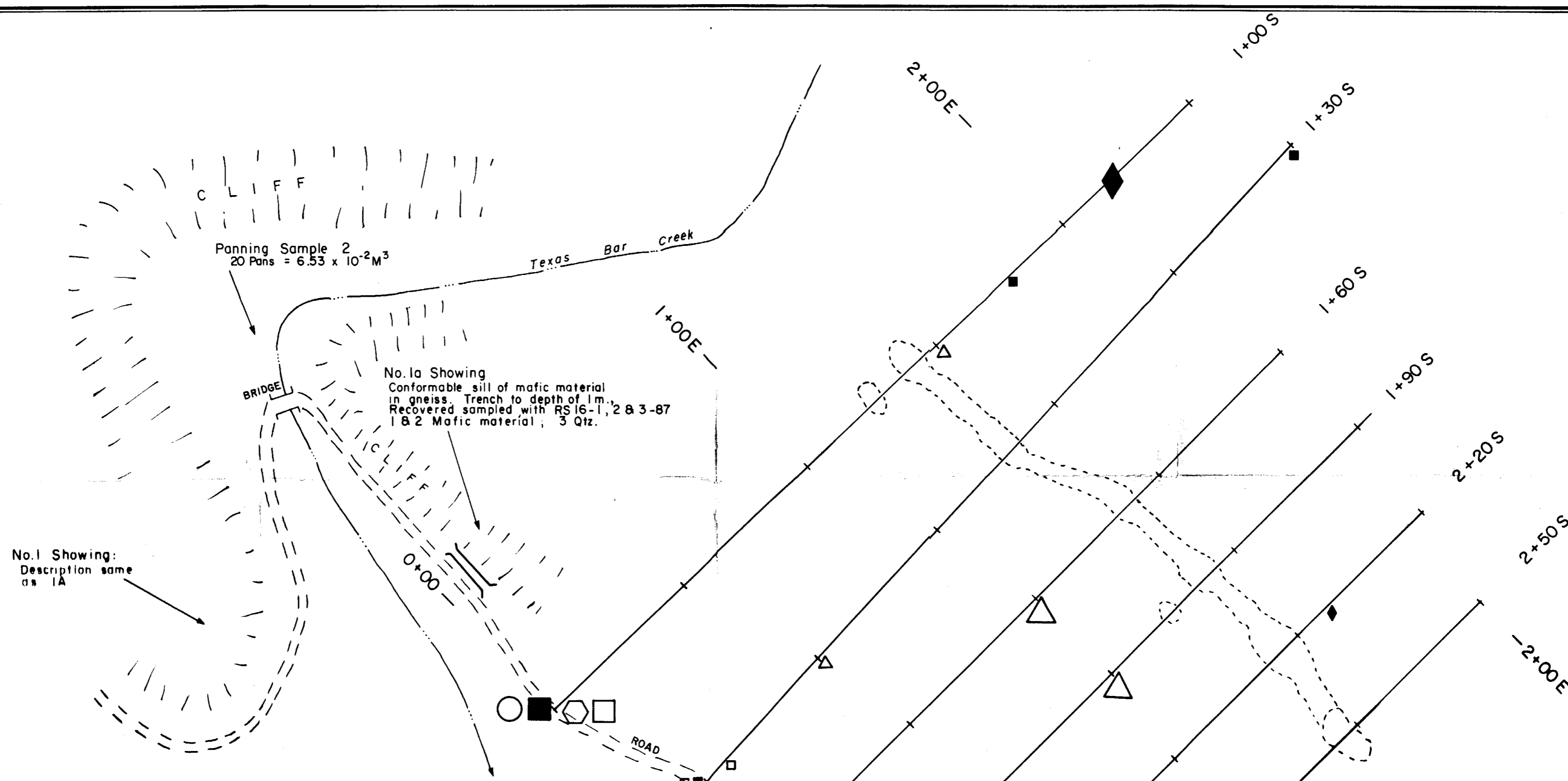
- Legend**
- Bridge
  - Trench
  - Strike & dip: Foliation, Fault plane.
  - Fault, Probable, Possible
  - Outcrop
  - Outcrop forming bluffs

Orthogneiss: Showing fair to weak foliation. Composition granitic to quartz diorite, although usually granodiorite and poor in mafic minerals.

- 1 PARAGNEISS - BANDED, BLACK & WHITE LAYERS, FOLIATED.
- 2 GNEISS - SHOWS LESS BANDING THAN 1 AND APPEARS RICHER IN QTZ. & FELD. - LIGHTER COLOUR
- 3 POSSIBLE ADIT
- VIEW  
LOOKING EAST**

**FALLS AREA  
TEXAS BAR CREEK**

C.N. TRACKS  
FRASER RIVER



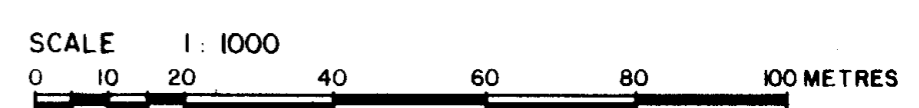
SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU+ PPB	SAMPLE#	CU PPM	ZN PPM	AG PPM	NI PPM	CO PPM	AU+ PPB
SHI 1S 0+00E	370	84	.4	954	45	4	SHI 1+30S 1+60E	17	98	-.1	67	12	1
SHI 1S 0+10E	18	108	.1	47	9	1	SHI 1+30S 1+70E	20	89	-.1	56	11	1
SHI 1S 0+20E	28	130	.1	89	12	1	SHI 1+30S 1+80E	18	133	-.1	48	10	1
SHI 1S 0+30E	15	214	.1	85	14	1	SHI 1+30S 1+90E	18	142	-.1	48	10	1
SHI 1S 0+40E	17	192	.2	46	14	1	SHI 1+30S 2+00E	15	101	-.1	44	10	1
SHI 1S 0+50E	20	162	.1	108	13	1	SHI 1+30S 2+10E	16	106	-.1	38	9	1
SHI 1S 0+60E	6	73	.1	21	7	2	SHI 1+30S 2+20E	10	80	-.1	23	6	1
SHI 1S 0+70E	17	100	.2	62	12	1	SHI 1+30S 2+30E	21	71	-.1	46	9	1
SHI 1S 0+80E	27	111	.1	70	12	1	SHI 1+30S 2+40E	7	39	-.1	29	7	1
SHI 1S 0+90E	35	103	.1	61	11	3	SHI 1+30S 2+50E	20	67	-.3	59	12	1
SHI 1S 1+00E	16	98	.2	70	10	4	SHI 1+60S 0+00E	38	88	-.1	133	14	1
SHI 1S 1+10E	21	90	.1	54	10	1	SHI 1+60S 0+10E	20	104	-.1	96	12	1
SHI 1S 1+20E	16	120	.1	58	11	2	SHI 1+60S 0+20E	22	138	-.1	77	12	1
SHI 1S 1+30E	21	114	.1	52	10	1	SHI 1+60S 0+30E	21	97	-.2	53	10	2
SHI 1S 1+40E	7	210	.1	18	6	1	SHI 1+60S 0+40E	13	103	-.1	32	8	1
SHI 1S 1+50E	12	231	.1	35	9	1	SHI 1+60S 0+50E	28	93	-.1	64	11	1
SHI 1S 1+60E	16	92	.1	46	10	1	SHI 1+60S 0+60E	22	96	-.2	67	12	1
SHI 1S 1+70E	22	100	.1	57	11	2	SHI 1+60S 0+70E	26	122	-.1	88	14	1
SHI 1S 1+80E	16	79	.3	53	11	3	SHI 1+60S 0+80E	37	105	-.1	85	12	1
SHI 1S 1+90E	16	85	.1	50	10	1	SHI 1+60S 0+90E	13	196	-.1	34	8	1
SHI 1S 2+00E	24	88	.1	57	12	5	SHI 1+60S 1+00E	20	285	-.1	48	10	1
SHI 1S 2+10E	13	103	.1	49	10	1	SHI 1+60S 1+10E	14	164	-.1	60	11	3
SHI 1S 2+20E	8	69	.1	14	6	185	SHI 1+60S 1+20E	12	112	-.1	44	9	1
SHI 1S 2+30E	16	190	.1	14	9	5	SHI 1+60S 1+30E	14	97	-.2	41	9	1
SHI 1S 2+40E	10	73	.1	26	8	1	SHI 1+60S 1+40E	13	59	-.2	46	9	1
SHI 1S 2+50E	14	89	.1	41	9	1	SHI 1+60S 1+50E	11	94	-.1	45	9	3
SHI 1S 2+50E #2	10	60	.2	37	9	1	SHI 1+60S 1+60E	13	124	-.1	40	10	1
SHI 1+10S 2+50E	11	83	.2	36	9	2	SHI 1+60S 1+70E	15	82	-.1	46	10	3
SHI 1+20S 2+80E	7	161	.1	16	7	2	SHI 1+60S 1+80E	12	85	-.1	47	10	2
SHI 1+30S 0+00E	46	129	-.3	177	21	3	SHI 1+60S 1+90E	13	70	-.1	38	8	1
SHI 1+30S 0+10E	23	146	.2	129	20	1	SHI 1+60S 2+00E	9	63	-.1	33	8	2
SHI 1+30S 0+20E	23	77	.1	53	11	1	SHI 1+90S 0+00E	64	107	-.1	811	25	1
SHI 1+30S 0+30E	25	95	.1	65	11	2	SHI 1+90S 0+10E	20	87	-.2	211	14	3
SHI 1+30S 0+40E	21	167	.1	53	11	1	SHI 1+90S 0+20E	25	73	-.1	395	17	1
SHI 1+30S 0+50E	17	238	.2	52	12	1	SHI 1+90S 0+30E	12	83	-.1	295	14	3
SHI 1+30S 0+60E	10	96	.1	62	11	1	SHI 1+90S 0+40E	20	80	-.1	113	13	1
STD C/AU-S	61	158	7.1	67	29	47	SHI 1+90S 0+50E	19	91	-.1	64	11	1
SHI 1+30S 0+70E	19	139	.1	83	13	1	SHI 1+90S 0+60E	20	78	-.1	71	11	1
SHI 1+30S 0+80E	20	134	.1	73	12	1	SHI 1+90S 0+80E	22	80	-.1	68	10	1
SHI 1+30S 0+90E	21	130	.1	77	12	1	SHI 1+90S 1+00E	15	249	-.1	29	7	1
SHI 1+30S 1+00E	15	210	.1	39	11	1	SHI 1+90S 1+20E	12	121	-.1	37	8	1
SHI 1+30S 1+10E	12	166	.1	43	11	1	SHI 1+90S 1+40E	15	66	-.1	41	8	1
SHI 1+30S 1+20E	22	177	.1	50	12	3	SHI 1+90S 1+60E	12	170	-.1	28	7	2
SHI 1+30S 1+30E	13	143	.1	40	10	1	SHI 1+90S 1+80E	12	64	-.1	47	9	1
SHI 1+30S 1+40E	22	88	.1	65	12	1	SHI 1+90S 2+00E	35	76	-.1	35	13	1
SHI 1+30S 1+50E	7	67	.1	20	6	1	SHI 2+20S 0+00E	38	142	-.2	91	10	52
STD C/AU-S	57	136	7.0	70	28	49	SHI 2+20S 0+20E	56	100	-.1	171	13	2
SHI 2+20S 0+40E	14	70	.1	66	9	1	SHI 2+20S 0+60E	15	80	-.1	57	9	2
SHI 2+20S 0+60E	15	80	-.1	57	9	1	SHI 2+20S 0+80E	36	101	-.2	53	10	1
SHI 2+20S 0+80E	22	92	-.1	75	11	1	SHI 2+20S 1+20E	22	92	-.1	75	11	1
SHI 2+20S 1+40E	13	85	-.2	35	8	1	SHI 2+20S 1+60E	20	86	-.2	41	8	11
SHI 2+20S 1+80E	22	78	-.1	65	10	1	SHI 2+20S 2+00E	20	74	-.1	59	9	1
STD C/AU-S	57	132	6.9	67	28	51							

Anomalous Geochem. Results

	Weakly Anomalous	Highly Anomalous
Au (ppb)	◆	◆
Ag (ppm)	■	■
Cu (ppm)	○	○
Co (ppm)	□	□
Zn (ppm)	△	△
Ni (ppm)	○	○

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SCALE 1:1000

FIGURE : 9

ROJOLL EXPLORATIONS LTD.

RANDEB CLAIMS  
NEW WESTMINSTER M.D. — NTS 92-H-6W

No. 1 SHOWING  
GEOCHEMISTRY  
Au, Ag, Cu, Co, Zn, Ni

To accompany a report by:  
A.E. Hunter, B.A. Sc.

Drawn by: /GT Date: June 1987

STRATON GEOLOGICAL ENGINEERING LTD.