1987

GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL AND PROSPECTING REPORT

On the ELK PROPERTY

Similkameen Mining Division, B.C.
NTS: 92H-16W; Lat. 49 50'N; Long. 120 19'W

FEBRUARY, 1988 (ASSESSMENT REPORT)

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1987

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ON THE ELK PROPERTY

(Elk #1-30 Mineral Claims)

Similkameen Mining Division, B.C.
Latitude 49 degrees 50'N; Longitude 120 degrees 19'W.
NTS; 92/H-16W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

By

W. Jakubowski, B.Sc.

W. Jakubowski

CORDILLERAN ENGINEERING LTD.
1980-1055 W. Hastings St.
Vancouver, B.C. V6E 2E9

Date Submitted: February 24, 1988
Work Period: May 20 - October 30, 1987

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1.0 SUMMARY AND CONCLUSIONS

The Elk property consists of 30 contiguous mineral claims comprising 220 units in the Similkameen Mining Division (NTS: 92/H-16W) and is located 40 kilometres west of Peachland, B.C. Initial staking was undertaken in November 1986 (Elk #1-27) with additional staking completed by September 1987 (Elk 28-30). Claim acquisition and subsequent work have been conducted by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd.

The Elk claims cover forested gentle rolling hills with fair to moderate exposure of rock outcrop. The property is accessible by 50 kilometres of gravel road from Peachland, B.C.

Work conducted on the property in 1986 consisted of geological mapping, prospecting, geochemical soil sampling and hand trenching. The 1987 work included linecutting, geochemical soil sampling, geological mapping, prospecting, excavator trenching, road construction and I.P., VLF-EM and magnetometer geophysical surveys.

The property is underlain by the Triassic Nicola Group volcano-sedimentary assemblage on the west and by granitic rocks of the Similkameen Intrusions on the east. Feldspar porphyry stocks of the Upper Cretaceous Otter Intrusions have been mapped within both the Nicola and Similkameen rocks. Andesite dykes cut all of the above units and are interpreted to be of Tertiary Age.

Gold-silver mineralization on the Elk property is hosted by pyritiferous quartz veins and pyritiferous, altered granite. The mineralized features generally trend northeasterly and are interpreted from crosscutting relationships to be Late Cretaceous or Tertiary in age. To date, mineralization has been located in the North and South showing areas with potential for additional discoveries in the Siwash North and Elusive Creek areas. In the North showing, grab sample results have included values up to 8.65 oz/t Au, 14.26 oz/t Ag. Chip sampling in 1986 of the South showing yielded values up to 1.05 oz/t Au, 0.54 oz/t Ag.

Extensive gold soil geochemical anomalies with values up to 2500 ppb were outlined in the South showing, Siwash North and Elusive Creek areas. The South showing geochemical anomaly is 400 metres by 500 metres in size and includes values of 780, 470 and 425 ppb Au. The Siwash North anomaly extends over an area 800 metres by 150 metres and includes values of 815, 725 and 500 ppb Au. The Elusive Creek geochemical anomaly is 600 metres by 150 metres and includes values of 2540, 1050 and 625 ppb Au.

SUMMARY AND CONCLUSIONS (continued)

Excavator trenching in the North showing area exposed a quartz vein varying in width from 15 to 85 cm over a distance of 220 metres. Continuous chip samples taken across the vein and wallrock returned results of up to 1.28 oz/t Au, 0.224 oz/t Ag over 1.10 metres. Trenching in the South showing over a strike length of 780 metres exposed a granitic diatreme breccia and an extensive altered zone in the granite. Fine native gold was found in small quartz veins returning values up to 0.60 oz/t Au, 0.67 oz/t Ag over 0.50 metres. Samples taken of mineralization in the pyritiferous granite returned values up to 0.181 oz/t Au, 0.167 oz/t Ag over 3.3 metre.

I.P., VLF-EM and magnetometer surveys were conducted over the North and South showing areas. Anomalous I.P. responses roughly correlated with pyritiferous diatreme breccias and altered zones. Anomalous VLF responses appeared to reflect altered andesite dykes and strongly clay altered shears. The magnetometer results were not apparently correlatable to any geological feature.

***

2.0 RECOMMENDATIONS

Excavator trenching in the Siwash North and Elusive Creek areas is recommended to define the source of their soil geochemical anomalies. Trenching should also be carried out over several small soil geochemical anomalies located west and southwest of Siwash Lake.

Diamond drilling is recommended in the North and South showing areas to test the down dip extension of mineralized features exposed by excavator trenching. Two drill holes are also recommended to test the centre of the South showing soil geochemical anomaly where excessive overburden prevented exposure of bedrock by excavator trenching.

Mapping, prospecting and geochemical soil sampling are recommended for the Elk 28-30 claims staked in September 1987 to determine their potential for gold mineralization.

Access roads should be constructed to the Siwash North and Siwash Lake area.

Respectfully submitted

W. Jakubowski

Wojtek Jakubowski, B.Sc.
Geologist

WJ/z
February, 1988

3.0 INTRODUCTION

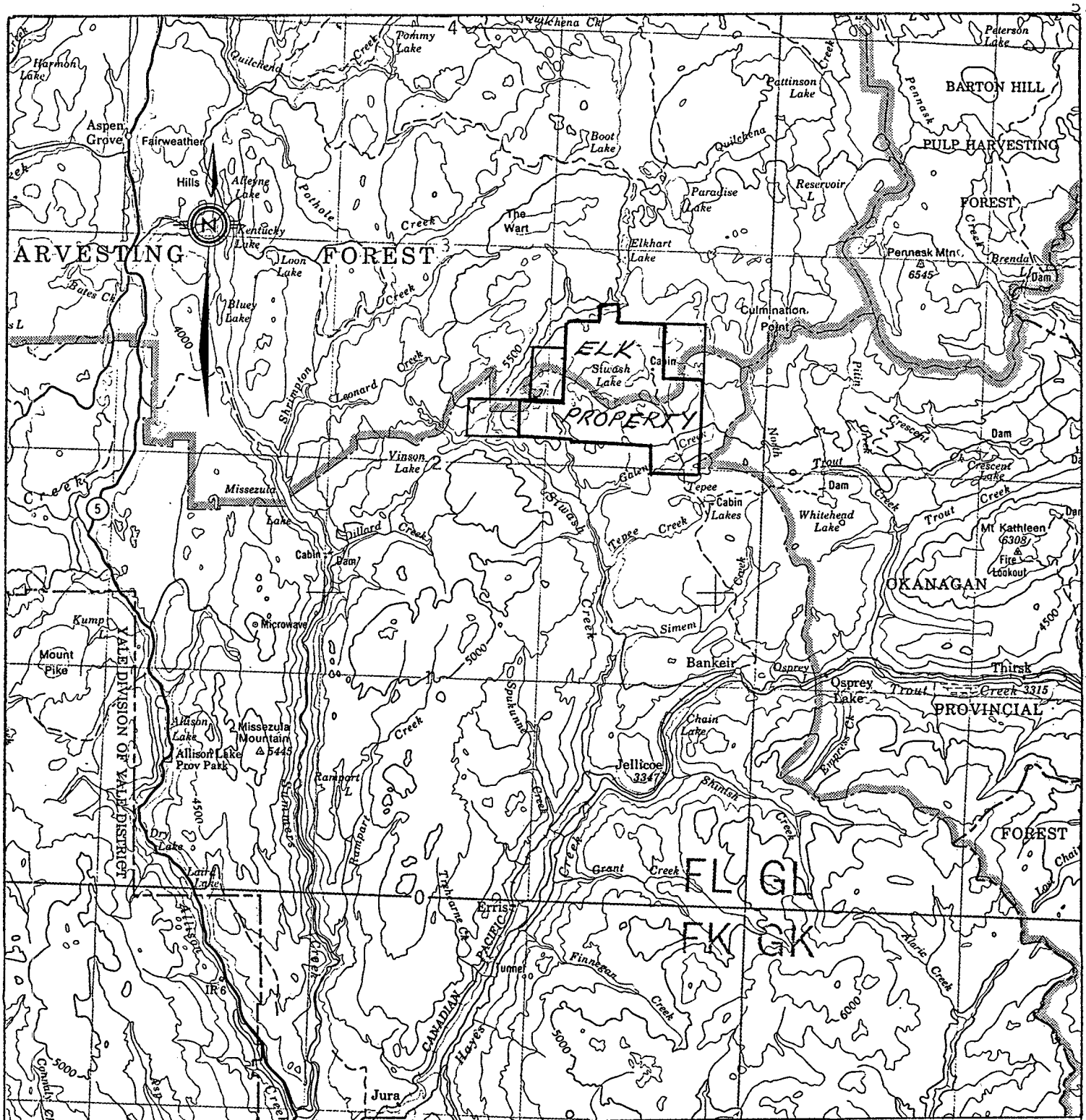
This report describes the results of a program of geological, geochemical geophysical and trenching exploration conducted on the Elk 1-27 claims during the period May 26 to October 31, 1987. The work was carried out by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd.

3.1 LOCATION AND ACCESS

(Figure 1)

The Elk property is located 40 kilometres west of Okanagan Lake in southern British Columbia approximately midway between Merritt and Summerland, at latitude 49 degrees 50' N and longitude 120 degrees 19' W (Figure 1). The claims cover heavily forested rolling terrain of the Trepanege Plateau highlands. Elevations range from 4300 feet to 5700 feet ASL. Portions of the property have been recently logged, and logging operations are currently underway on the southwestern claims. Access to the property is excellent with good gravel roads connecting to Princeton, Merritt, Peachland and Summerland. All of these centres are within one and one-half hours drive from the property. A new highway, the Okanagan connector, currently under construction between Merritt and Westbank passes directly to the north of the claims.

Field operations in 1987 were based out of a tent camp centrally located on the property.



FAIRFIELD MINERALS LTD.

ELK PROPERTY

LOCATION MAP

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:250,000

CORDILLERAN ENGINEERING LTD.
1960-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988

FIGURE 1

INTRODUCTION (continued):

3.2 HISTORY

The Elk 1 to 27 claims were staked in November 1986 to cover new showings of gold-silver mineralization hosted in pyritic quartz veins cutting Jurassic granites of the Similkameen Intrusions and Tertiary(?) andesite dykes. Preliminary hand trenching and geochemical soil sampling were done prior to the staking of the present Elk claims. The Elk 28 to 30 claims were staked in September 1987 to acquire ground along projections of favourable geochemical trends.

The El Paso adit was driven into Nicola group rocks south of the Elk 19 claims during the first half of the century. Quartz vein-hosted lead-zinc-silver-gold mineralization was encountered. No production of ore was achieved.

Don Agur of Summerland, B.C. has prospected and trenched the north and west parts of the present Elk property area as well as a large region to the south along Siwash Creek during the last 40 years.

Phelps Dodge Corporation of Canada Ltd. carried out copper exploration during 1972 which included mapping and soil geochemistry on the present Elk 19 and 28 claims.

Utah Mines Ltd. carried out mapping, geochemistry, I.P. geophysics and trenching to evaluate copper mineralization on the Siwash claim group under option from Don Agur during 1979. The work, in part, covered the present Elk 19 and 28 claims.

Brenda Mines Ltd. optioned the Siwash claim group from Don Agur and staked ground to the south of the Elk property in 1979. A rigorous copper exploration program including mapping, soil geochemistry, geophysics, trenching and diamond drilling was undertaken by Brenda Mines Ltd. between 1979 and 1981.

Exploration for molybdenum was undertaken by Cominco Ltd. on the east side of the Elk 26, 27, and 29 claims during 1980. Work included geological mapping and soil geochemistry.

No significant results were obtained from the above work.

INTRODUCTION (continued):

3.3 1987 EXPLORATION PROGRAM

Totals of 3732 soil samples taken on grid lines 200 m apart at 50 m stations, 4328 detail grid samples taken on lines 50 m apart at 25 m stations, 81 outcrop rock samples, 710 trench rock samples and 364 trench soil profile samples were collected on the Elk property during the 1987 field season.

Totals of 4.5 km of Induced Polarization and Resistivity survey at 25 m dipole spacings, 4.775 km of vertical field magnetic survey and 4.775 km of VLF-EM survey were carried out in the North and South showing areas.

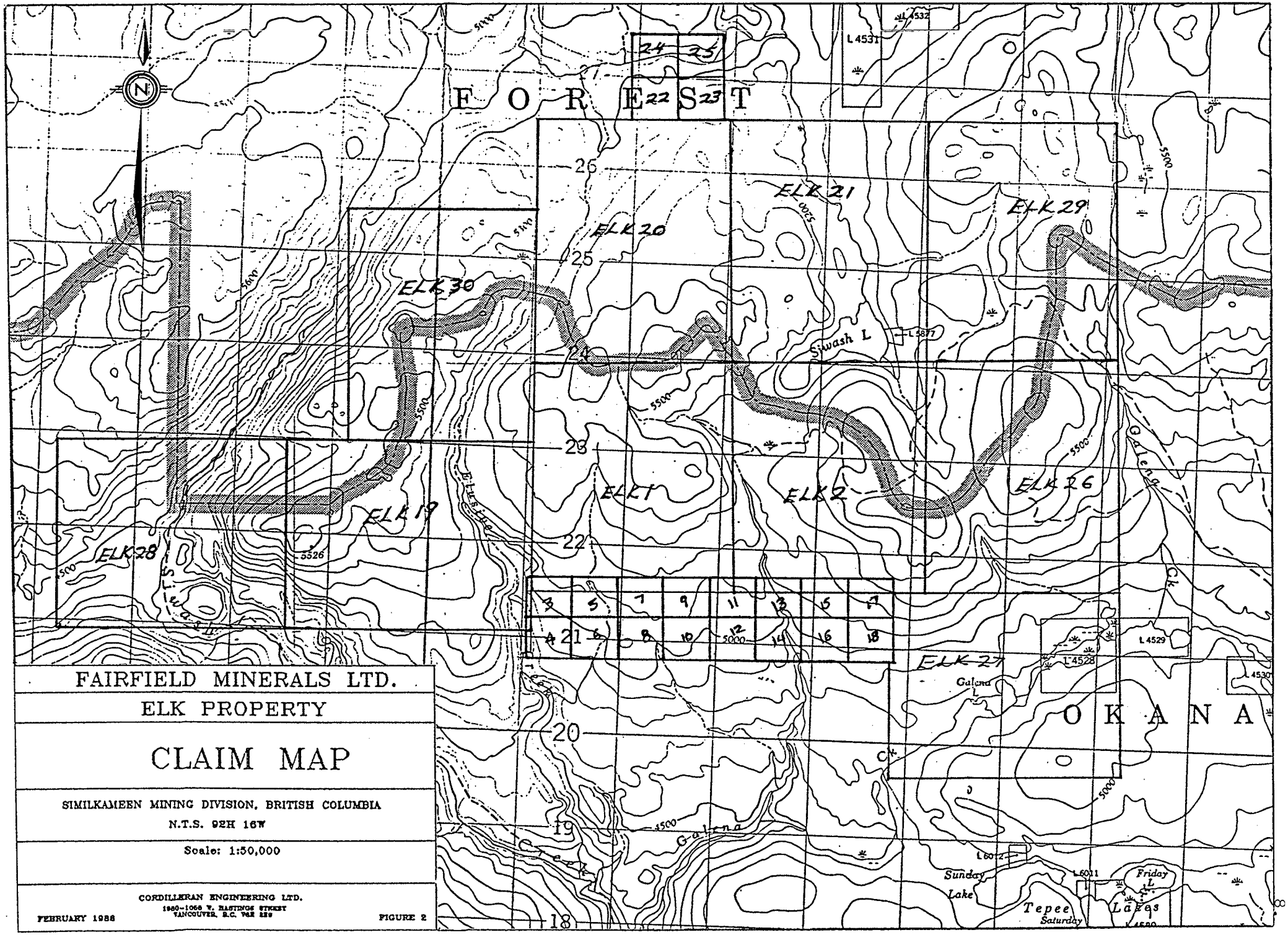
The property was mapped at 1:5000 scale and trenches were mapped at 1:100 scale.

43.5 km of line cutting and 1.35 km of road construction were completed.

3.4 CLAIM DATA

(Figure 2)

The Elk property consists of twenty 2 post mineral claims and ten 20 unit mineral claims located in the Similkameen Mining Division (Figure 2). Claim data is listed in Table 1.



FAIRFIELD MINERALS LTD.

ELK PROPERTY

CLAIM MAP

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:50,000

CORDILLERAN ENGINEERING LTD.
1980-1066 W. HASTINGS STREET
VANCOUVER, B.C. V6E 3X2

FEBRUARY 1988

FIGURE 2

INTRODUCTION (continued):

Table 1 STATUS OF CLAIM DATA AS AT FEBRUARY 22, 1988

NTS:92/H-16W Similkameen Mining Division, British Columbia

CLAIM	UNITS	RECORD NO.	EXPIRY DATE
ELK 1	20	2737	28 NOV. 1996
ELK 2	20	2738	28 NOV. 1995
ELK 3		2744	28 NOV. 1996
ELK 4		2745	28 NOV. 1996
ELK 5		2746	28 NOV. 1996
ELK 6		2747	28 NOV. 1996
ELK 7		2748	28 NOV. 1996
ELK 8		2749	28 NOV. 1996
ELK 9		2750	28 NOV. 1996
ELK 10		2751	28 NOV. 1996
ELK 11		2752	28 NOV. 1996
ELK 12		2753	28 NOV. 1996
ELK 13		2754	28 NOV. 1996
ELK 14		2755	28 NOV. 1996
ELK 15		2756	28 NOV. 1996
ELK 16		2757	28 NOV. 1996
ELK 17		2758	28 NOV. 1996
ELK 18		2759	28 NOV. 1996
ELK 19	20	2739	28 NOV. 1996
ELK 20	20	2740	28 NOV. 1995
ELK 21	20	2741	28 NOV. 1995
ELK 22		2760	28 NOV. 1995
ELK 23		2761	28 NOV. 1995
ELK 24		2762	28 NOV. 1995
ELK 25		2763	28 NOV. 1995
ELK 26	20	2742	28 NOV. 1994
ELK 27	20	2743	28 NOV. 1994
ELK 28	20	3033	24 SEP. 1996
ELK 29	20	3034	24 SEP. 1993
ELK 30	20	3035	24 SEP. 1996

4.0 G E O L O G Y

4.1 REGIONAL GEOLOGY

The Elk property is located in the Intermontane Tectonic belt of south central B.C. Princeton Geological Map 88A by H.M.A. Rice (1939, 1941, 1944) shows the property to be underlain by Triassic volcanics and sediments of the Nicola Group and by Jurassic granites and granodiorites of the Coast Intrusions. The contact between these units trends roughly at N 30 degrees E across the property. Upper Cretaceous feldspar porphyry stocks of the Otter Intrusions occur throughout the property. A large stock of the Otter Intrusions occurs to the south of the property and is spatially associated with many known showings of copper, lead, zinc and silver.

4.2 PROPERTY GEOLOGY

(Plate 1)

The western claims area is underlain by steeply west-dipping basaltic flows, agglomerates, tuffs and minor siltstone and limestone units of the Triassic Nicola Group. The eastern half of the property is underlain by Jurassic granitic rocks of the Similkameen Intrusions. The contact between these two groups trends approximately N 30 degrees E. Upper Cretaceous to Tertiary feldspar porphyry and quartz-feldspar porphyry stocks of the Otter Intrusions cut both of the above groups. Diatreme breccias with granitic matrices containing rounded volcanic, dioritic and granitic fragments cut both the Nicola Group rocks and the Similkameen Intrusions. Andesite dykes are the youngest rocks noted, cutting all of the above. Mineralization appears to be roughly spatially associated with the (Tertiary?) andesite dykes.

The Nicola Group rocks mapped on the Elk 1-27 claims consist of 1) dark greyish green, massive basaltic andesite, 2) dark greyish green, massive basaltic andesite porphyry containing pyroxene and/or amphibole phenocrysts, 3) dark greyish green basaltic andesite containing 0.5 mm laminae of sand-sized black grains,

GEOLOGY (continued):

4) pale grey-green siliceous laminated tuff, 5) brownish green to pale green agglomerates containing fragments from 5 to 50 cm in size. The Nicola Group rocks are occasionally silicified, epidote altered or calcareously altered. Iron oxide staining and finely disseminated pyrite are common.

The granites of the Similkameen Intrusions cover the eastern half of the property. They are pinkish grey, coarse grained and equigranular containing quartz, orthoclase and biotite. Petrographic analysis indicate that this rock is a quartz monzonite. Quartz diorites related the Similkameen Intrusions are far less common and occur as stocks. They are pale grey, generally medium to fine grained and contain visible quartz, plagioclase, biotite and amphiboles. Alteration of the granites and quartz diorites includes weak to strong propylitic, argillic, phyllic and silicic, noted predominantly in the trenched areas where these recessive features have been exposed.

The Otter Intrusions comprise quartz-feldspar porphyry, feldspar porphyry and quartz-biotite-feldspar porphyry stocks up to 100 m across. The quartz-feldspar porphyry stocks seen on the property are all extensively clay altered and contain feldspar phenocrysts up to 10 cm, averaging about 5 cm. The altered groundmass is beige in colour and extremely friable. The feldspar porphyry stocks vary from medium grey to red and contain feldspar phenocrysts 2 to 5 mm in size that vary in quantity from 3 to 40 percent. Petrographic analysis of the red, medium packed feldspar porphyry indicated that it is syenitic in composition. The quartz-biotite-feldspar porphyry is greyish beige and is typified by small biotite grains with equal quantities of quartz and feldspar phenocrysts.

The diatreme breccias noted on the property have granitic matrices and contain rounded to sub-rounded granite, diorite and basalt clasts varying in size from 5 to 25 cm. The breccias vary in width from 5 to 30 metres and trend northeast. The breccia body crossing Elusive Creek is strongly clay altered while that in the South showing area shows patchy silicification and pyritization.

Andesite dykes are dark greyish green, fine grained and vary in thickness from 30 cm to 5 metres. They are commonly phlogopite altered and brown in colour. Strong orange and blue clay alteration has also been noted in these rocks.

4.3 TRENCH GEOLOGY

(Plates 2 to 13)

All trenches are located in the North and South showing areas in the central part of the property. North showing trenches were located to expose a previously discovered mineralized quartz vein zone and its projection. South showing trenches were positioned to further expose previously discovered quartz vein-hosted mineralization and also to explore for the sources of soil geochemical and I.P. anomalies.

GEOLOGY (continued):

Crosscutting relationships of the granite, diatreme breccias, feldspar porphyry stocks and andesite dykes were confirmed. Gold and silver-bearing quartz veins cut the youngest andesite dykes and have been cataclastically deformed. Gold and silver mineralization was also found in a muscovite-rich silicified zone in granite (Trench SS 87-1 sample SS 002R) and in strongly clay altered pyritic granite adjacent to a diatreme breccia (Trench SS 87-2 samples SS 261R, SS 069R, SS 070R).

***

5.0 MINERALIZATION

5.1 SOUTH SHOWING AREA

(Plates 2 and 3)

Hand trenching in 1986 exposed quartz vein-hosted gold-silver mineralization in yellow-orange iron sulphate(?) stained granite subcrop. The quartz veins varied in thickness from 1 to 3 cm and contained abundant limonitic boxworks (after pyrite). Assaying returned values from continuous chip samples of up to 1.06 oz/t Au, 0.54 oz/t Ag over 0.85 metres. Excavator trenching (Trench SS 87-1; Plate 5) in this area in 1987 exposed two quartz veins in granite up to 7 cm thick trending roughly east, with 20 to 50 cm wide haloes of moderate argillic alteration and yellow-orange iron sulphate(?) stain. The zone containing the quartz veins is strongly fractured in an east-southeast direction. The veins in place are identical to those found nearby in subcrop. Chip sampling of the quartz veins and altered wallrock returned values of 0.485 oz/t Au, 0.19 oz/t Ag over 0.85 metres. The western extension of this trench exposed a moderately silicified, phyllic altered zone with minor yellow-orange staining from which sampling (SS 002R) returned an assay of 0.271 oz/t Au, 0.41 oz/t Ag over 0.6 metres. No sulphides were noted. Samples (SS 058R, SS 05R) taken immediately on either side of this sample returned no significant gold or silver values. In the north leg of this trench a 40 cm moderately altered zone containing less than 1% disseminated pyrite (SS 045R) returned a value of 0.065 oz/t Au, 0.08 oz/t Ag over 0.60 m. The southern part of trench SS 87-1 (Plate 6) returned no values of interest.

In trench SS 87-2 (Plate 7) a strongly argillic altered blue and orange zone in granite with minor disseminated pyrite, adjacent to a diatreme breccia, returned values that averaged 0.182 oz/t Au, 0.167 oz/t Ag over 3.3 metres.

Trench SS 87-4 (Plate 9) exposed a strongly altered zone of blue clay and finely disseminated pyrite which returned an average of 0.173 oz/t Au and 0.374 oz/t Ag over 1.7 metres.

In summary, the South showing area trenching exposed strongly clay altered zones containing minor disseminated pyrite that carried significant gold values. All quartz veins sampled returned good gold-silver results although a vein system with sufficient width or density has not yet been defined.

MINERALIZATION (continued):

5.2 NORTH SHOWING AREA

(Plate 4)

Hand trenching in 1986 in an area with abundant quartz float exposed a 30 cm quartz vein trending east-west, cutting andesite dyke and granite. Excavator trenching in 1987 further exposed the vein to the west over a distance of 35 metres in Trench NS 87-1. The quartz vein varies in width from 15 cm to 80 cm due to structural deformation, and averages roughly 25 cm. The quartz is medium to light grey in colour and contains up to 20% disseminated pyrite with minor chalcopyrite and galena. Further exposure of the vein gave an overall orientation of N 55 degrees E (Plate 11). A grab sample of quartz vein float with extensive pyrite boxworks returned a value of 8.65 oz/t Au and 14.26 oz/t Ag. Chip sampling across the vein returned values of 1.32 oz/t Au and 5.73 oz/t Ag over 0.27 metres and 0.254 oz/t Au and 1.28 oz/t Ag over 1.10 metres. The vein was also exposed along its northern projection in trench NS 87-5 giving it a continuous length of 78 metres. A vein was exposed in trench NS 87-3 southwest from NS 87-4 but was not noted in trench NS 87-2 (Plate 4). Extensive blue and orange clay alteration in an andesite dyke in trench NS 87-2 failed to provide any significant gold results. Minor quartz veins cutting granite near the south end of trench NS 87-4 returned results of 0.53 oz/t Au, 0.88 oz/t Ag over 0.40 metres and 0.29 oz/t Au and 0.78 oz/t Ag over 0.25 metres.

In summary, significant mineralization in the North showing occurs exclusively in sulphide-bearing quartz veins. Trench NS 87-1 contains the strongest mineralization in a quartz vein averaging 25 cm wide over a distance of 78 metres.

5.3 OTHER OCCURRENCES

Prospecting on the property produced no new showings due to the recessive nature of the mineralized zones and extensive overburden cover.

***

6.0 GEOCHEMISTRY

6.1 INTRODUCTION

The Elk 1 to 27 claims were geochemically soil sampled on coarse and detailed grids. Prospecting rock samples were analyzed as were trench chip samples. Soil profile geochemical samples were taken from trench walls in the South showing trenches. Table 2 summarizes the sample distribution. All trench and outcrop rock samples are described in Appendix "A" and "B" respectively.

Table 2 SOIL AND ROCK SAMPLE DISTRIBUTION

Location	No. of Soil Samples	No. of Rock Samples
Trenches	364	700
Outcrops	0	81
Soil Grids	8060	0
	8424	781

6.2 SOIL GEOCHEMISTRY

(Plate 14)

A total of 590 soil samples were collected in October, 1986 on the Elk 1 and 2 claims from line 1000E to line 4000E and from grid coordinates 00N to 2000N at 50 metre intervals on lines 200 metres apart. A further 3732 samples were collected in 1987 on the Elk 1 to 27 claims between grid coordinates 2600W and 6300E, and 550N and 2300S, at the same spacing and intervals. An additional 4328 soil samples were collected at 25 metre spacings on lines 50 metres apart to increase the sample density around coarse grid sample sites which yielded 50 ppb Au or more.

Soil samples were collected from the "B" horizon with depth and other descriptive notes recorded. Each sample site was marked by flagging and assigned a grid coordinate number. Soil material was placed in a correspondingly marked kraft envelope, dried and shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for gold analysis.

GEOCHEMISTRY (continued)

At the lab, soil samples were first sieved to obtain 10 grams of minus 80 mesh sized fraction. The samples were then ignited to 600 degrees Celsius and digested with hot aqua regia. The metal was extracted by MIBK (methyl isobutyl ketone) and then analyzsed by graphite furnace atomic absorption.

6.3 ROCK GEOCHEMISTRY

Rock samples were collected from bedrock in trenches and outcrop locations. Float samples were collected from locations where bedrock was not exposed. Each sample was given a discrete number and the locations marked by flagging in the field. Variable length chip samples were taken in the trenches and the locations marked on aluminum tags nailed to each end of the sample interval.

Rock samples were sent to Acme Analytical Laboratories Ltd., ground to minus 80 mesh and a 10 or 20 gram cut analyzed for gold by methods identical to those used for soil samples. Samples with gold values above 1000 ppb were then fire assayed to determine gold and silver values. Approximately 200 samples were analyzed for 30 elements by I.C.P. to provide a valid base for statistical comparisons.

6.4 SUMMARY OF RESULTS

(Figures 3 to 65)

Results of 1986 and 1987 coarse grid soil sampling are plotted on Plate 14; results of detailed grid sampling on Figures 5 to 65, significant outcrop sample results are plotted on Plate 1 and a complete list of all rock sample results with descriptions and locations are given in Appendix "A". Significant trench rock sample results are shown on Plates 5 to 13 along with soil profile locations. A complete list of trench chip sample results with descriptions and sample lengths is given in Appendix "B". Trench soil profile results are listed in Appendix "C". The trench soil samples were taken at 30 cm intervals from the top of the trench wall downwards, and labelled with the sample number followed by a letter (A to F) to indicate the relative position below the top of the wall.

Three large anomalous areas were defined by geochemical soil sampling:

South showing area	1500E to 2200E	50N to 700N
Siwash north area	1750E to 2850E	3000N to 3850N
Elusive Creek area	1400W to 700W	1000N to 550S

GEOCHEMISTRY (continued):

The South showing soil geochemical anomaly is 400 metres by 500 metres in size and includes values of 780, 470 and 425 ppb Au. The Siwash North anomaly extends over an area 800 metres by 150 metres and includes values of 815, 725 and 500 ppb Au. The Elusive Creek soil geochemical anomaly is 600 metres by 150 metres and includes values of 2450, 1050 and 625 ppb Au.

Statistical analysis (Figures 3 and 4) of log normalized coarse grid soil geochemical data indicate the following thresholds:

Possibly anomalous	10 ppb - 33 ppb Au
Anomalous	34 ppb - 120 ppb Au
Strongly anomalous	>120 ppb Au

The histogram and probability plot suggest that two populations exist (Figures 4 and 5); the first population being probably the background from 0 to 6 ppb Au and the second being mineralization-related, 6 ppb and greater. From visual estimation there does not appear to be a difference in the density of anomalous soil geochemical results between the Nicola Group and the granitic terrain.

Trenching across the strong anomaly in the South showing area suggests that sources of the anomalous gold geochemistry are the mineralized quartz veins and large clay altered zones.

Only minor gold soil anomalies were outlined by sampling in the North showing area.

Prospecting in the other anomalous areas has failed to produce any rock samples with significant gold values. This is probably due in part to the recessive nature of the mineralized zones resulting in very poor exposure.

***

FIGURE 3

STATISTICAL ANALYSIS
PROJECT:ELK COARSE GRID DATA

VARIABLE	MEAN	STD. DEV.	MINIMUM	MAXIMUM	NO. SAMPLES
AU(LOG)	.445	.569	.000	3.083	4312

HISTOGRAM FOR AU
LOG TRANSFORMED
MEAN= .445 STD. DEV.= .569 NUMBER OF SAMPLES= 4312

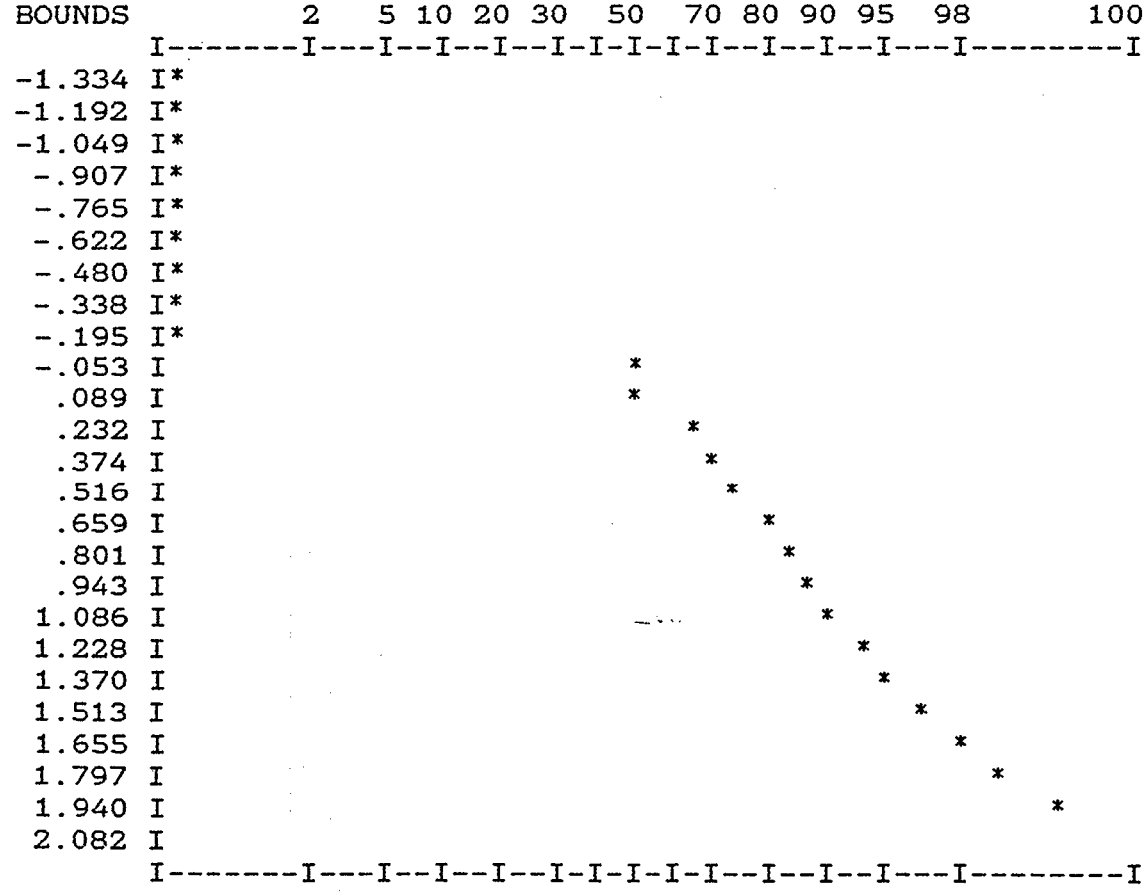
```
LOWER
BOUNDS       5   10   15   20   25   30   35   40   45   50 PERCENT
       I----I----I----I----I----I----I----I----I----I----I----I
 -.622 I
 -.480 I
 -.338 I
 -.195 I
 -.053 I**************************************************
  .089 I
  .232 I**************
  .374 I********
  .516 I****
  .659 I******
  .801 I***
  .943 I*****
 1.086 I***
 1.228 I***
 1.370 I***
 1.513 I**
       I----I----I----I----I----I----I----I----I----I----I----I
```

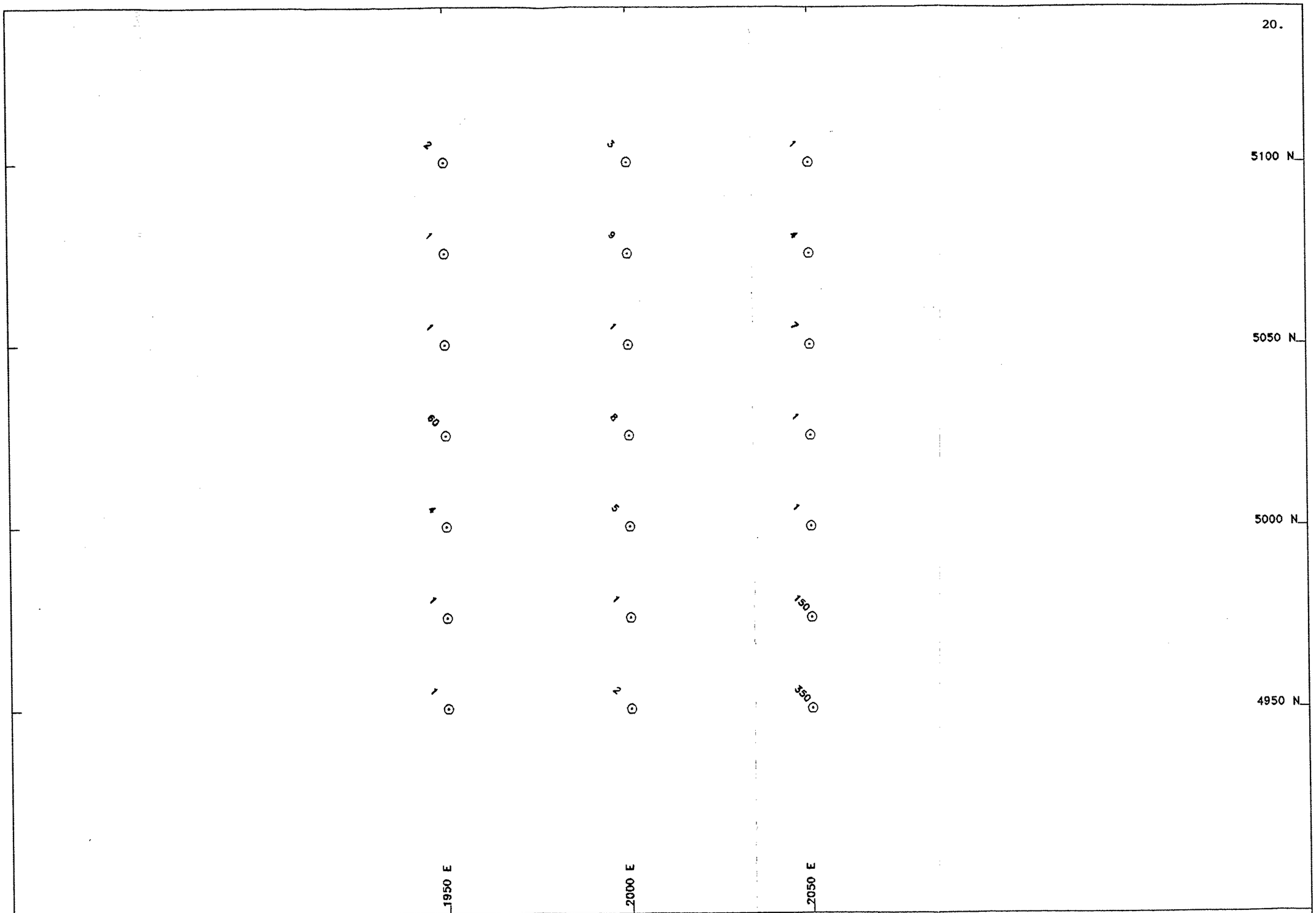
MEAN + 1 STANDARD DEVIATION - 10 PPB - POSSIBLY ANOMALOUS
MEAN + 2 STANDARD DEVIATIONS- 34 PPB - ANOMALOUS
MEAN + 3 STANDARD DEVIATIONS-121 PPB - STRONGLY ANOMALOUS

FIGURE 4

PROJECT:ELK COARSE GRID DATA

PROBABILITY PLOT FOR AU
LOG TRANSFORMED
MEAN= .445 STD. DEV.= .569 NUMBER OF SAMPLES= 4312





SYMBOLS
AU ppb
⊙

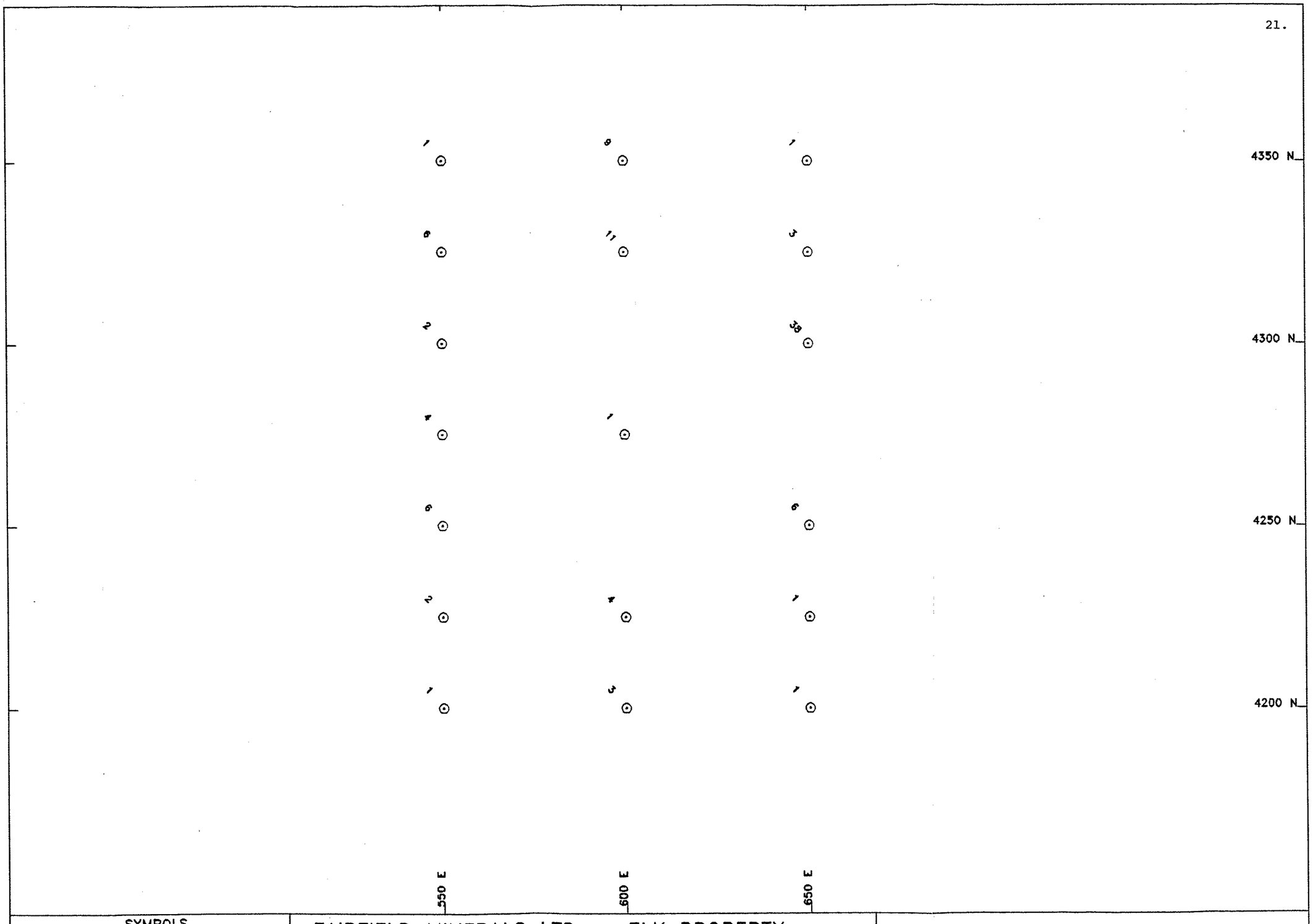
FAIRFIELD MINERALS LTD. ELK PROPERTY

5050N 2000E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 5

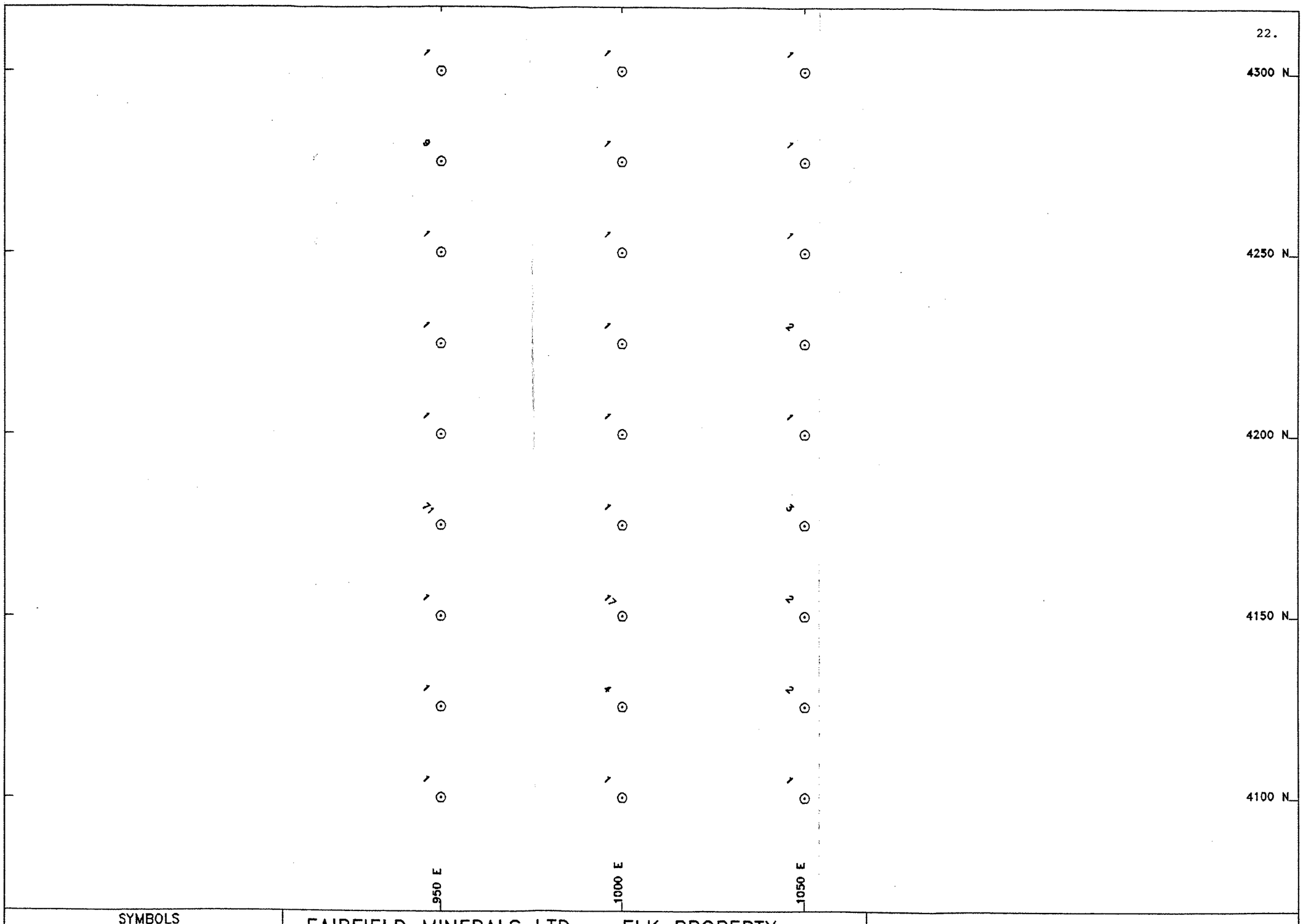


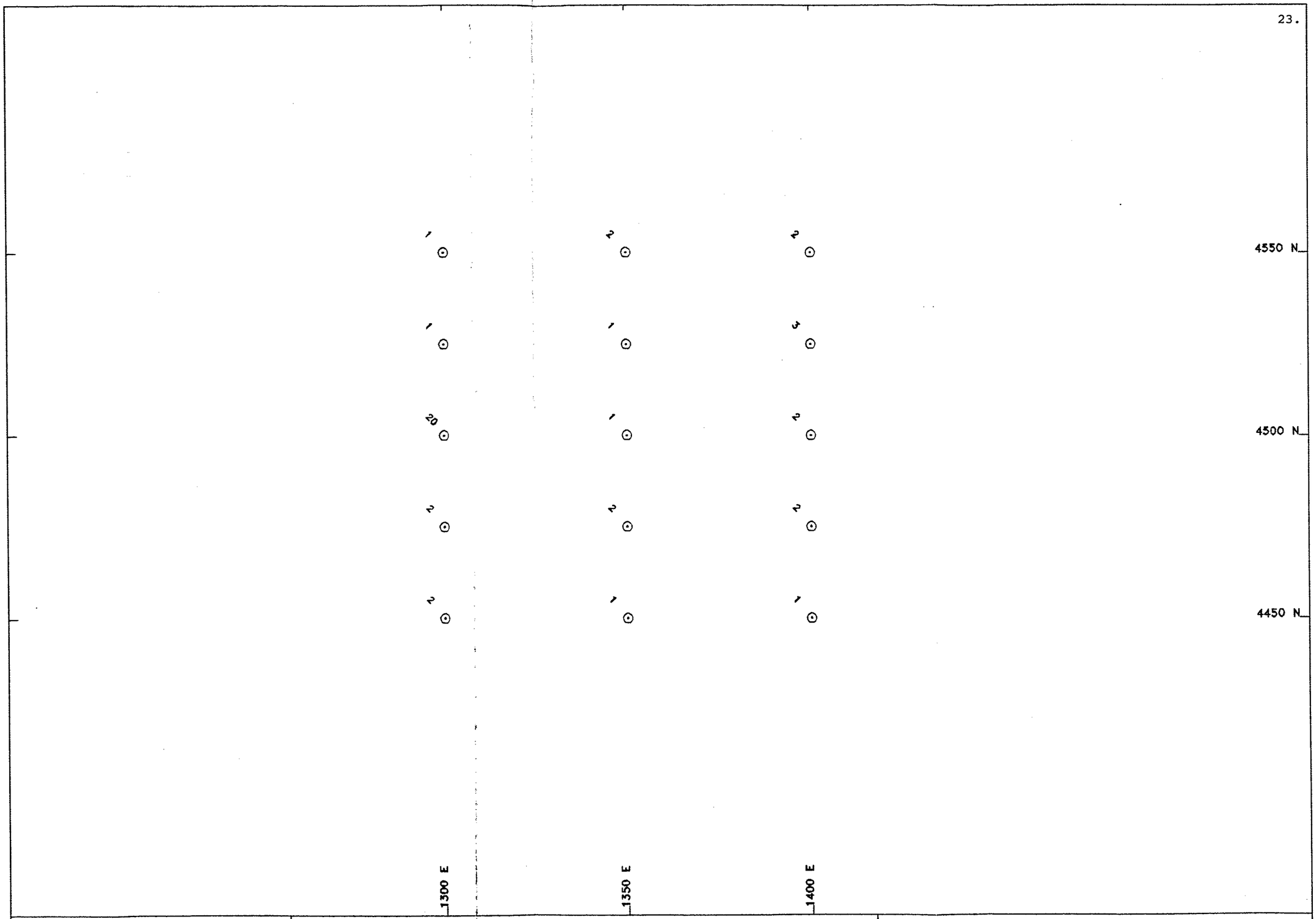
SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
4250N 600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 6


4300 N
4250 N
4200 N
4150 N
4100 N
950 E
1000 E
1050 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
4250N 1000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000
Figure:7



SYMBOLS
AU ppb
⊙

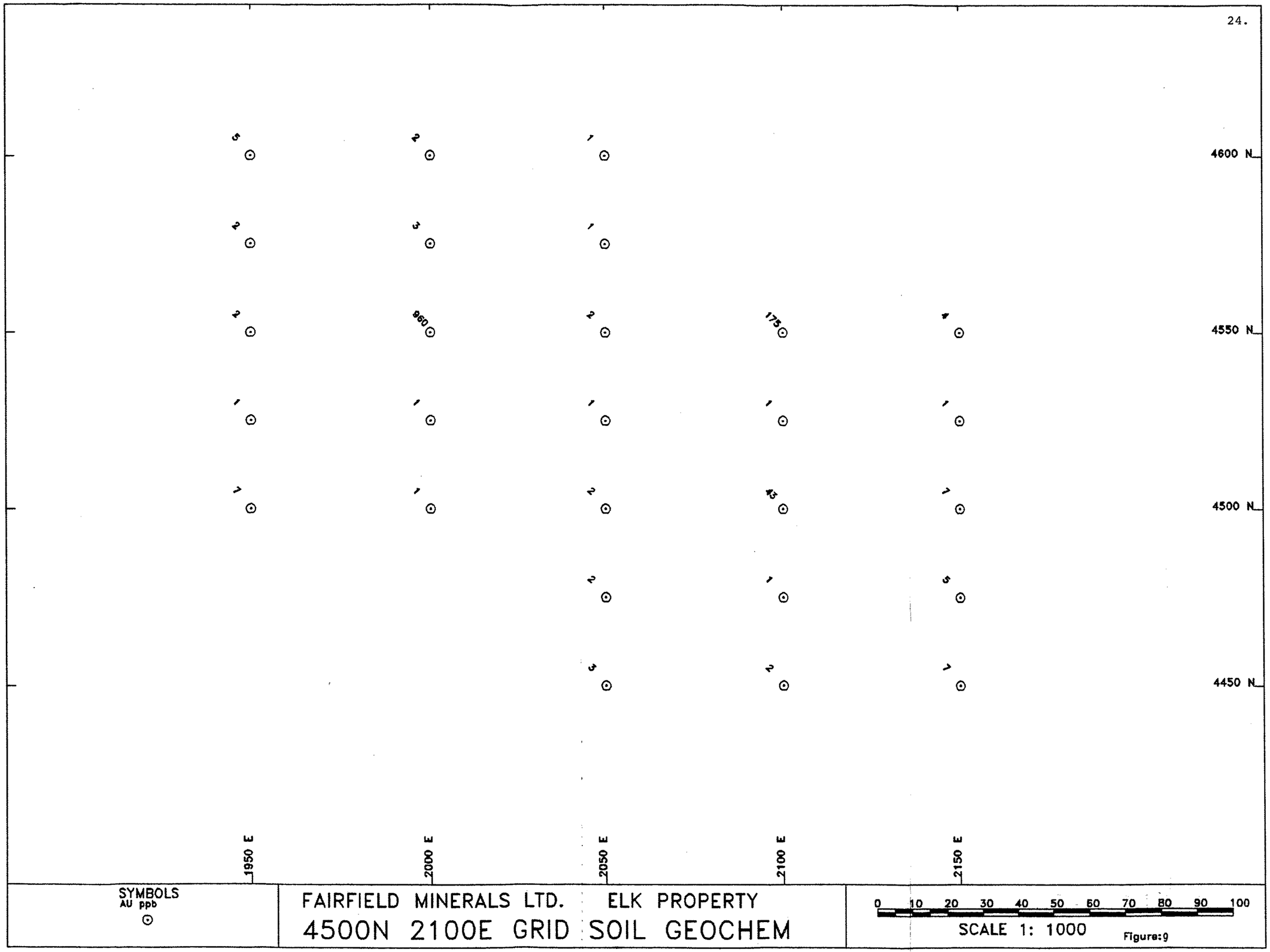
FAIRFIELD MINERALS LTD. ELK PROPERTY

4500N 1350E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure:8

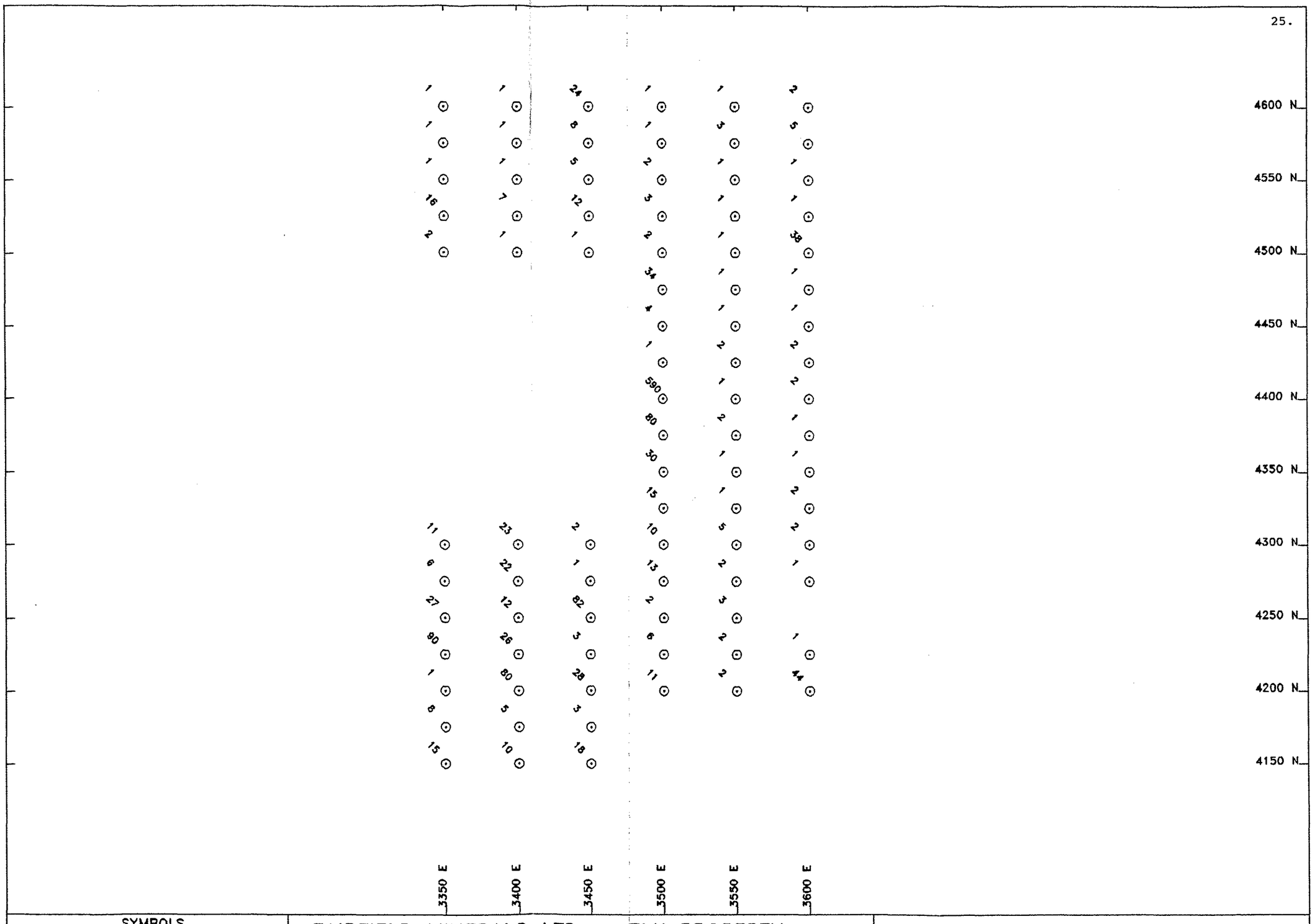


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
4500N 2100E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure:9



SYMBOLS
AU ppb
⊙

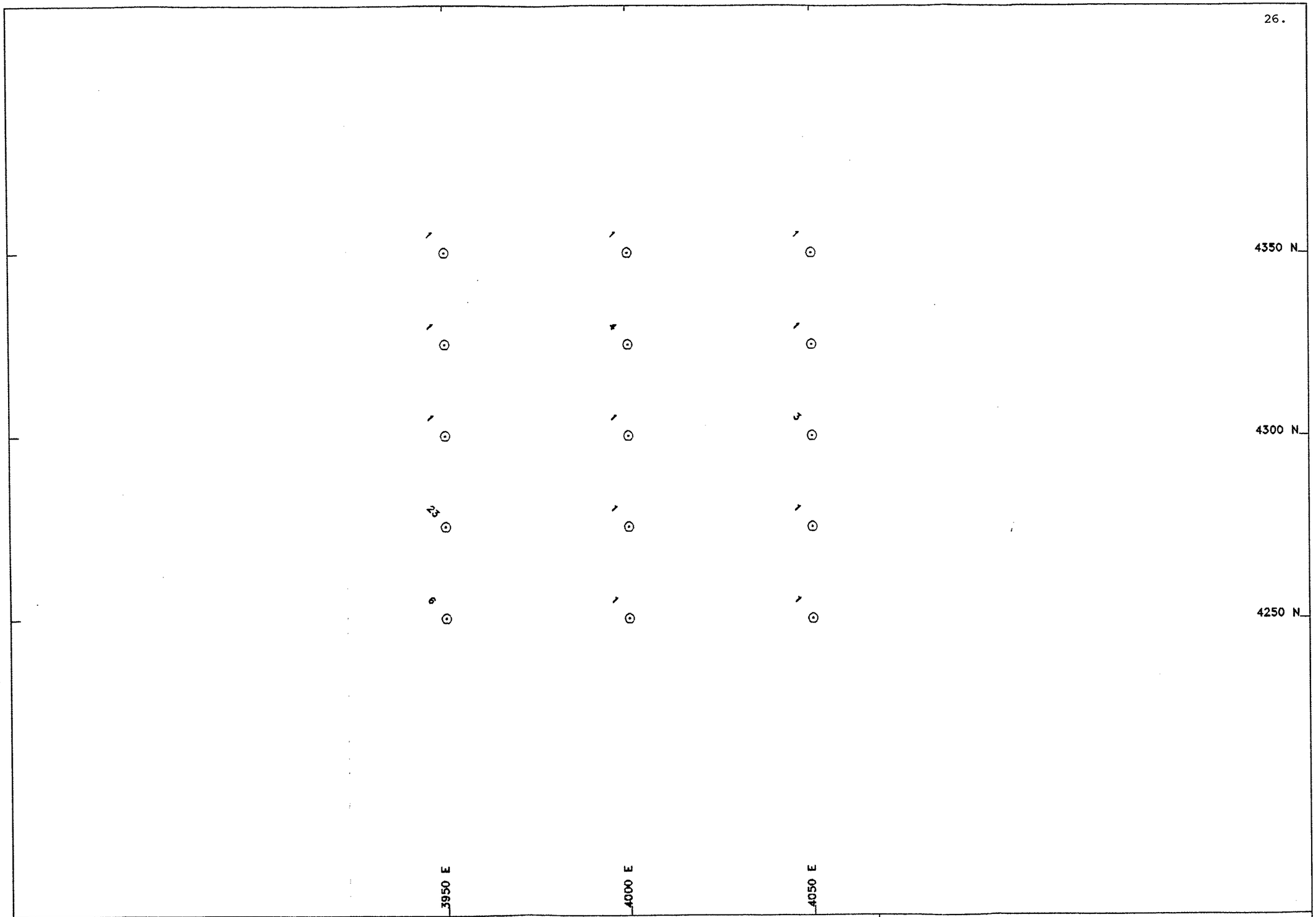
FAIRFIELD MINERALS LTD. ELK PROPERTY

GRAVEL PIT GRID SOIL GEOCHEM

0 25 50 75 100 125 150 175 200 225 250

SCALE 1: 2500

Figure:10

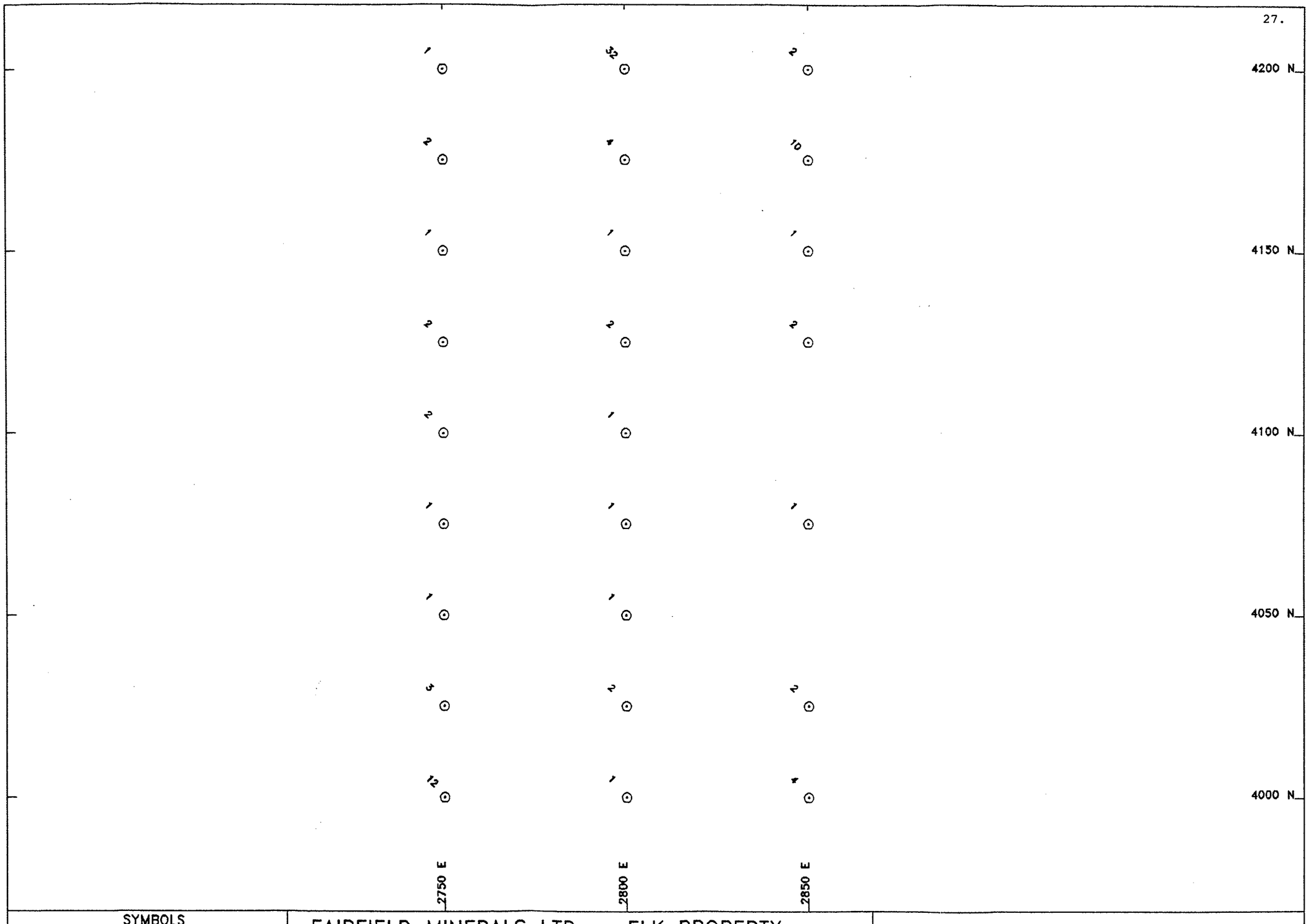


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
4300N 4000E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 11



SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
4150N 2800E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure:12

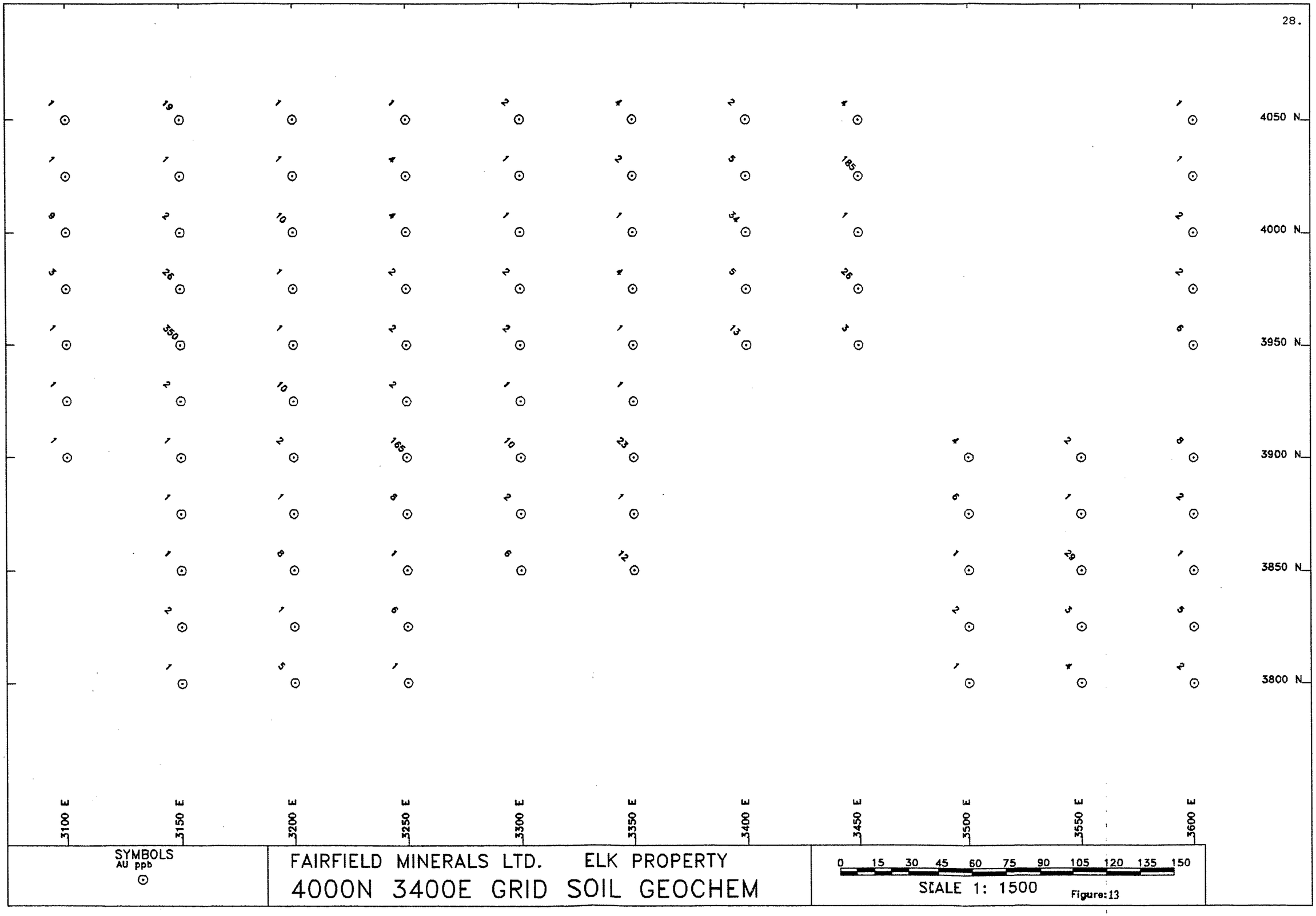

4050 N
4000 N
3950 N
3900 N
3850 N
3800 N
3100 E
3150 E
3200 E
3250 E
3300 E
3350 E
3400 E
3450 E
3500 E
3550 E
3600 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
4000N 3400E GRID SOIL GEOCHEM
0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500

Figure:13

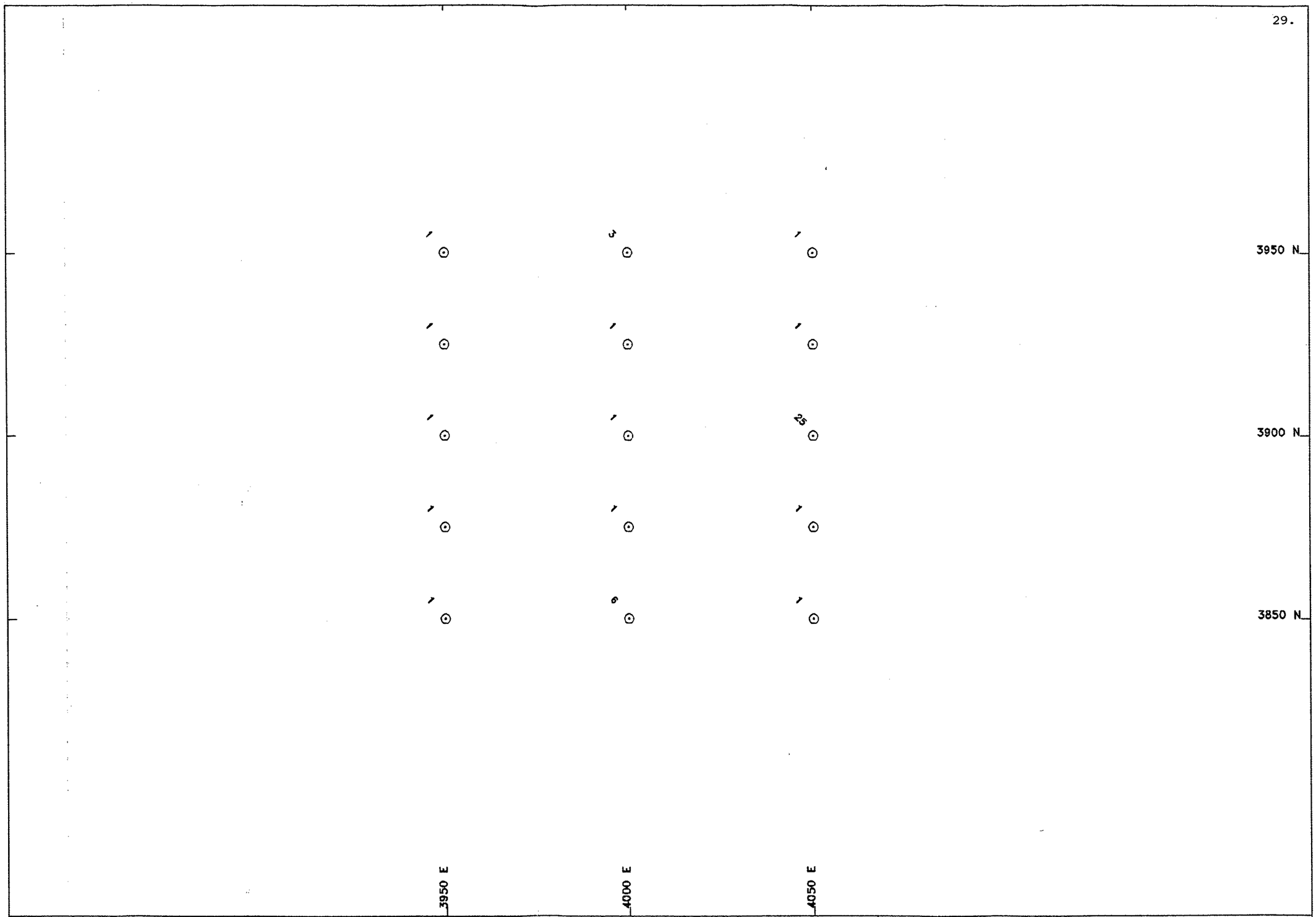
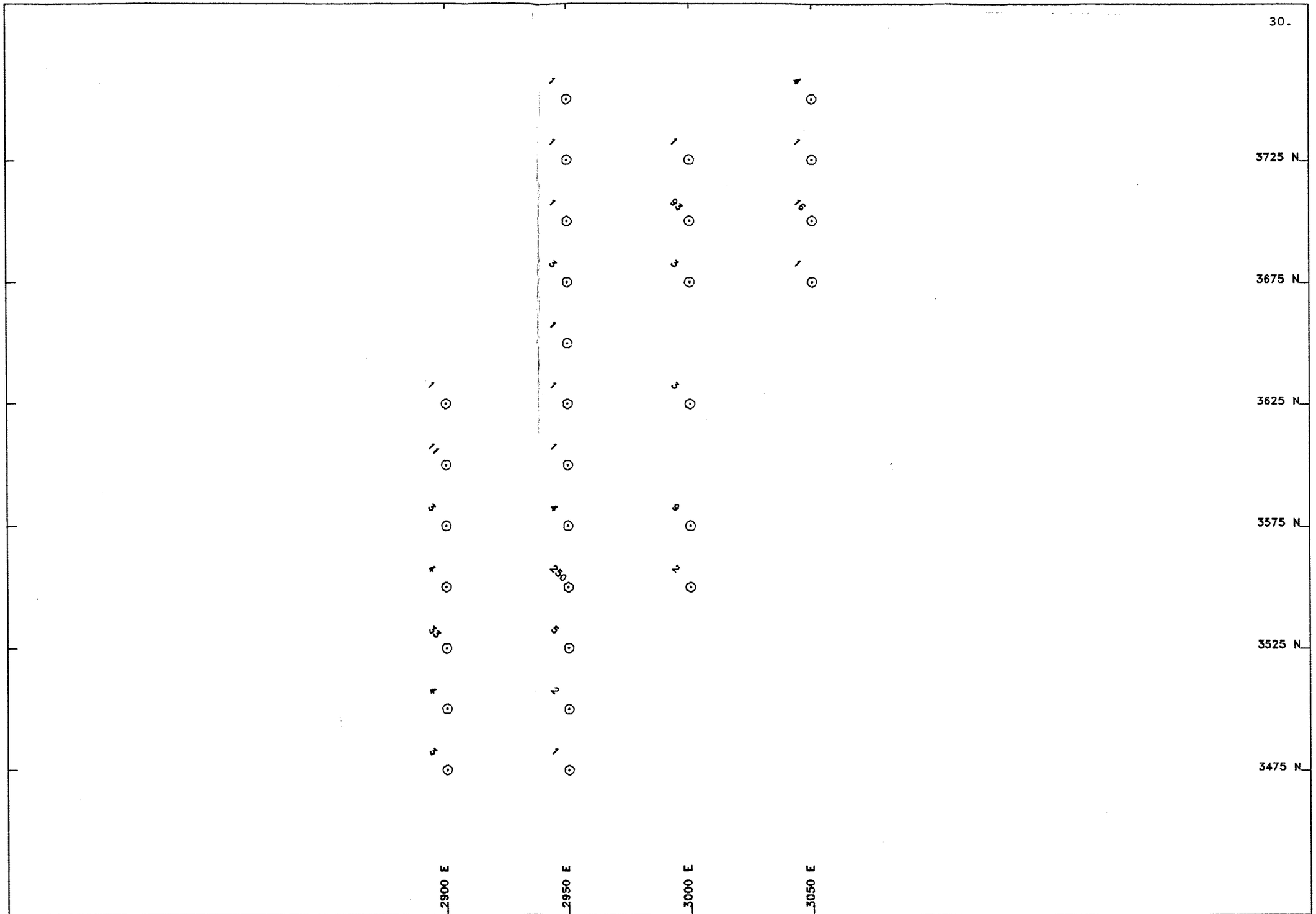

3950 N
3900 N
3850 N
3950 E
4000 E
4050 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
3900N 4000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure:14

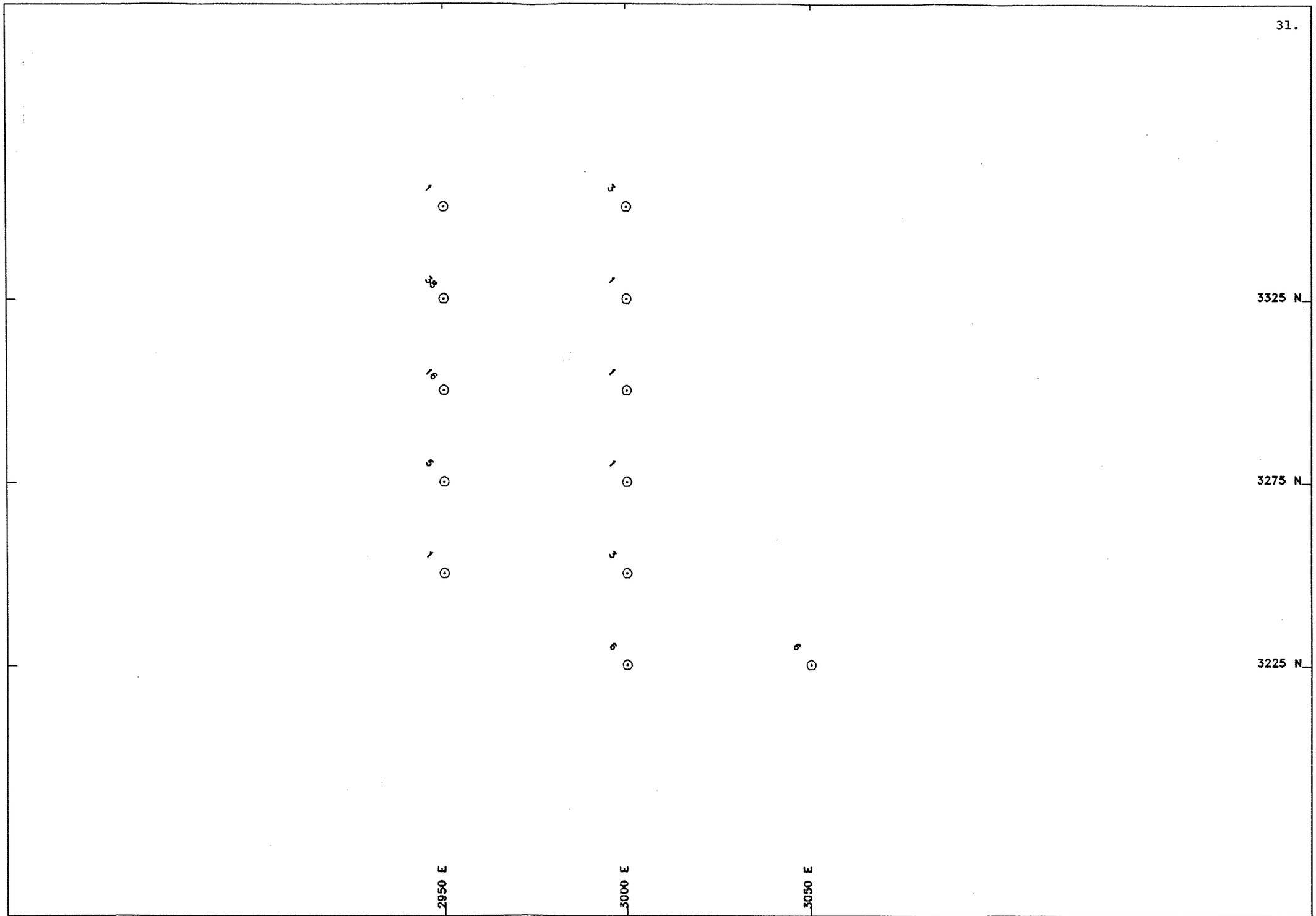


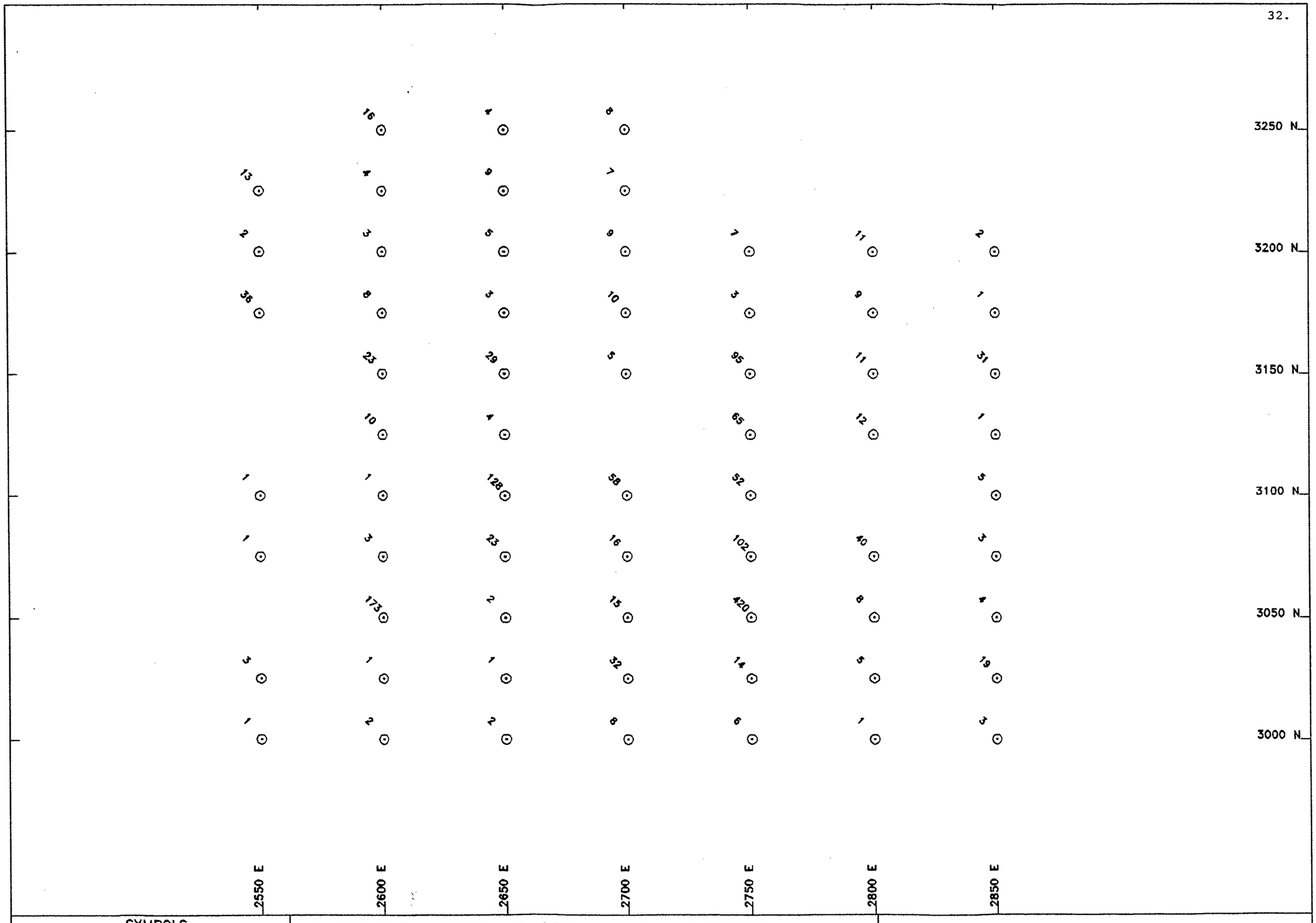
SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
3600N 3000E GRID SOIL GEOCHEM

0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500

Figure: 15


1
3
38
1
16
1
5
1
1
3
6
6
3325 N
3275 N
3225 N
2950 E
3000 E
3050 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
3300N 3000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000
Figure:16



SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY

3200N 2600E GRID SOIL GEOCHEM

0 15 30 45 60 75 90 105 120 135 150

SCALE 1: 1500

Figure:17

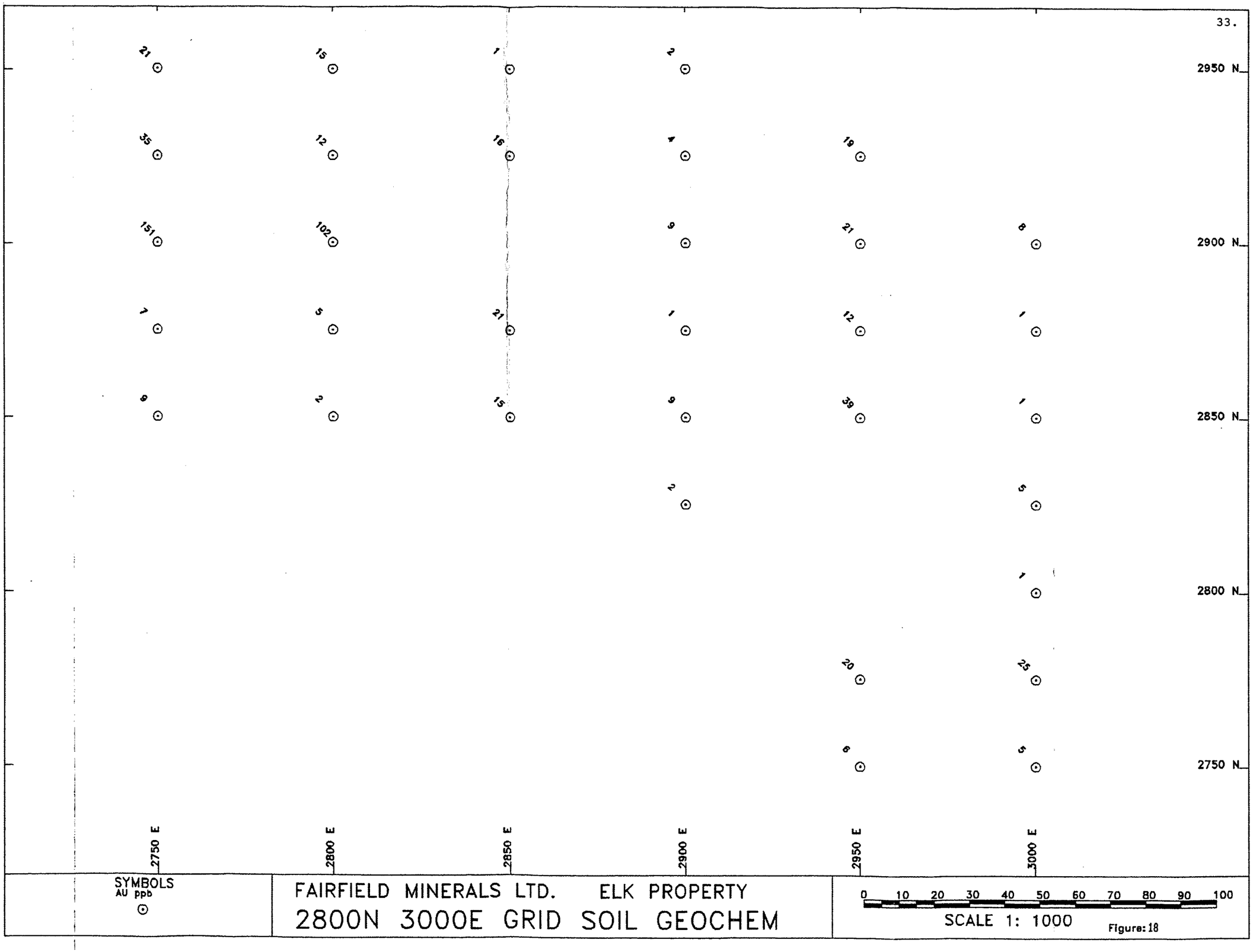
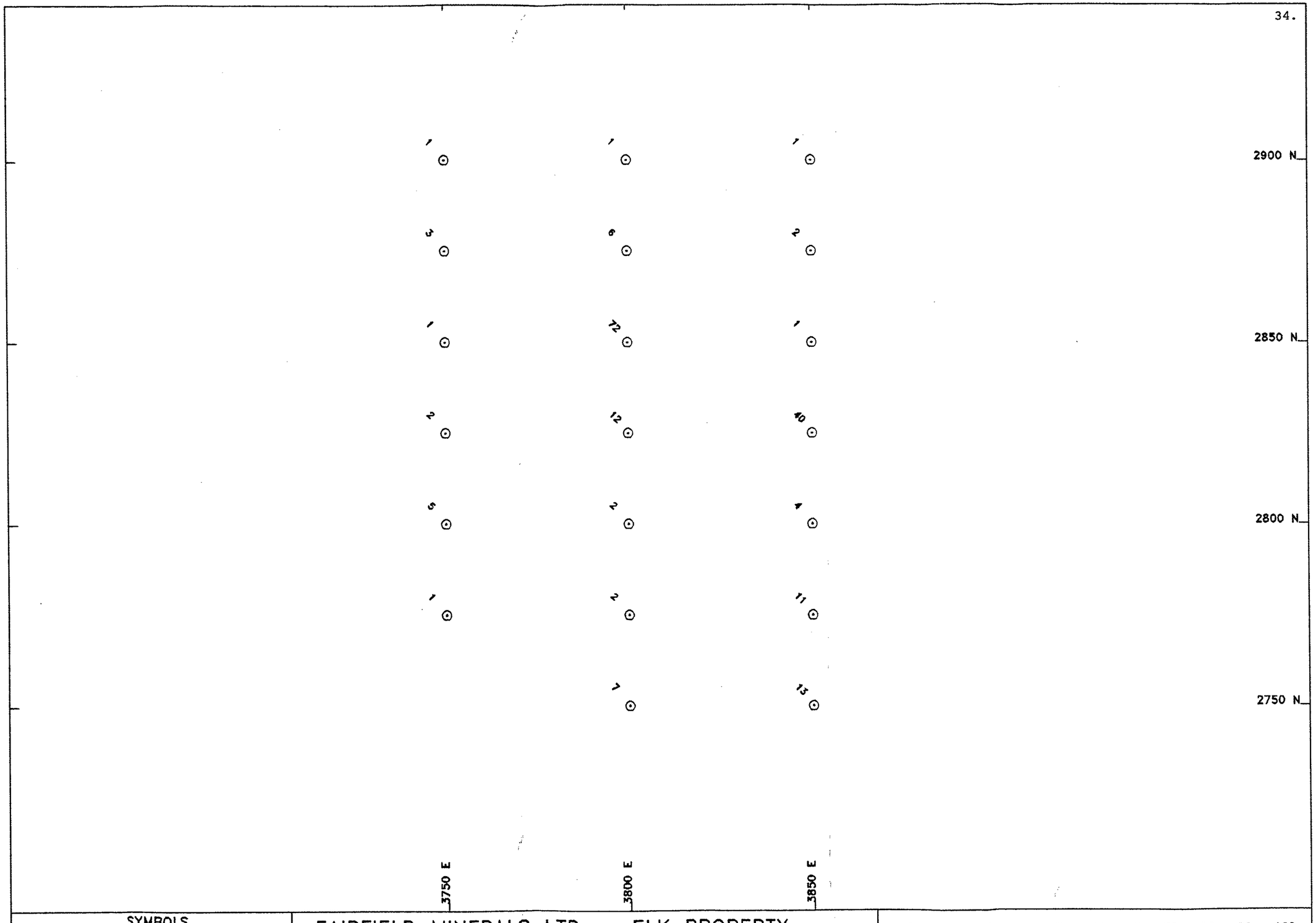

21
15
1
2
35
12
16
4
19
151
102
9
21
8
7
5
21
1
12
1
9
2
15
9
39
1
2
5
1
20
25
6
5
2950 N
2900 N
2850 N
2800 N
2750 N
2750 E
2800 E
2850 E
2900 E
2950 E
3000 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
2800N 3000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 18



SYMBOLS
AU ppb
⊙

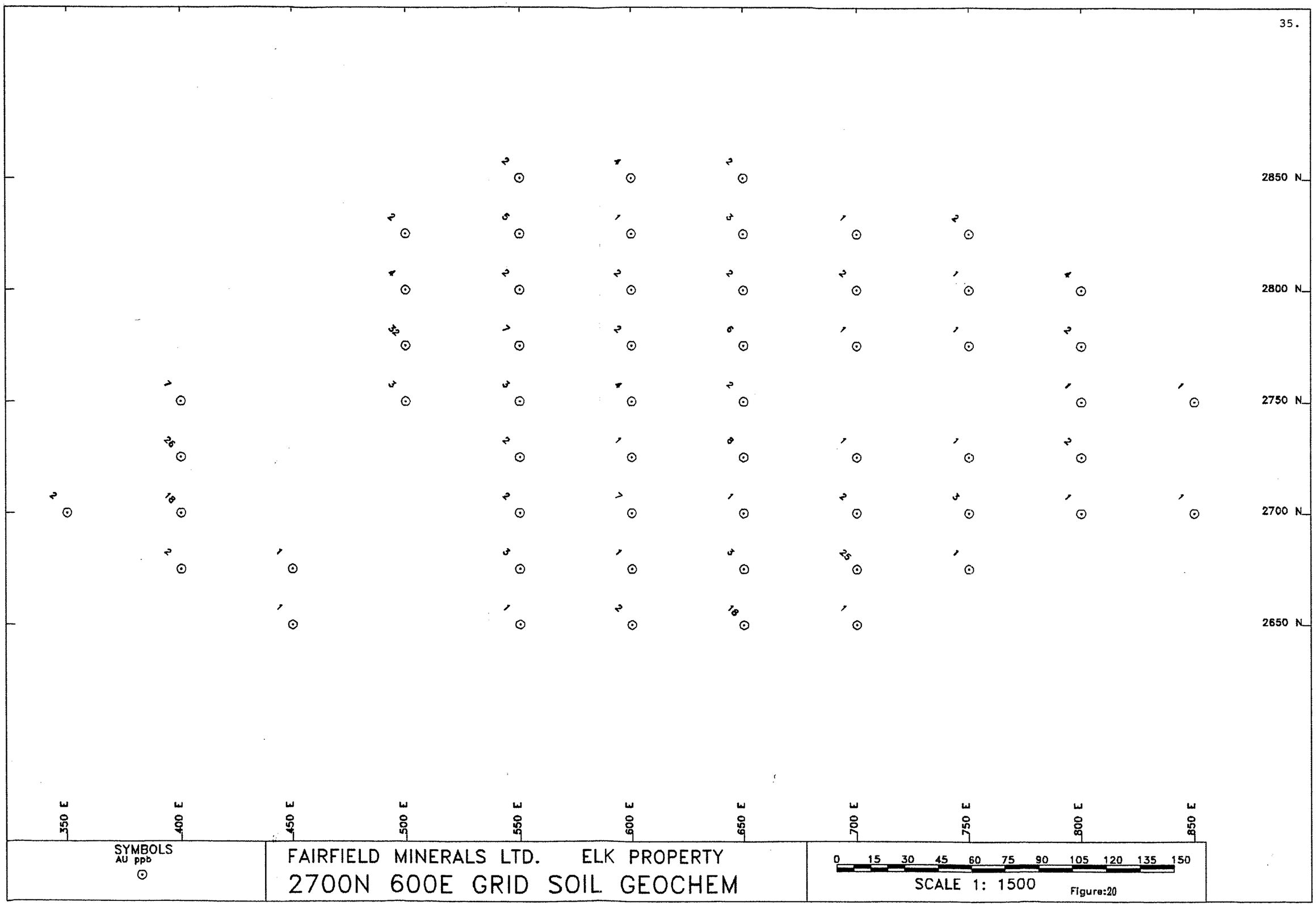
FAIRFIELD MINERALS LTD. ELK PROPERTY

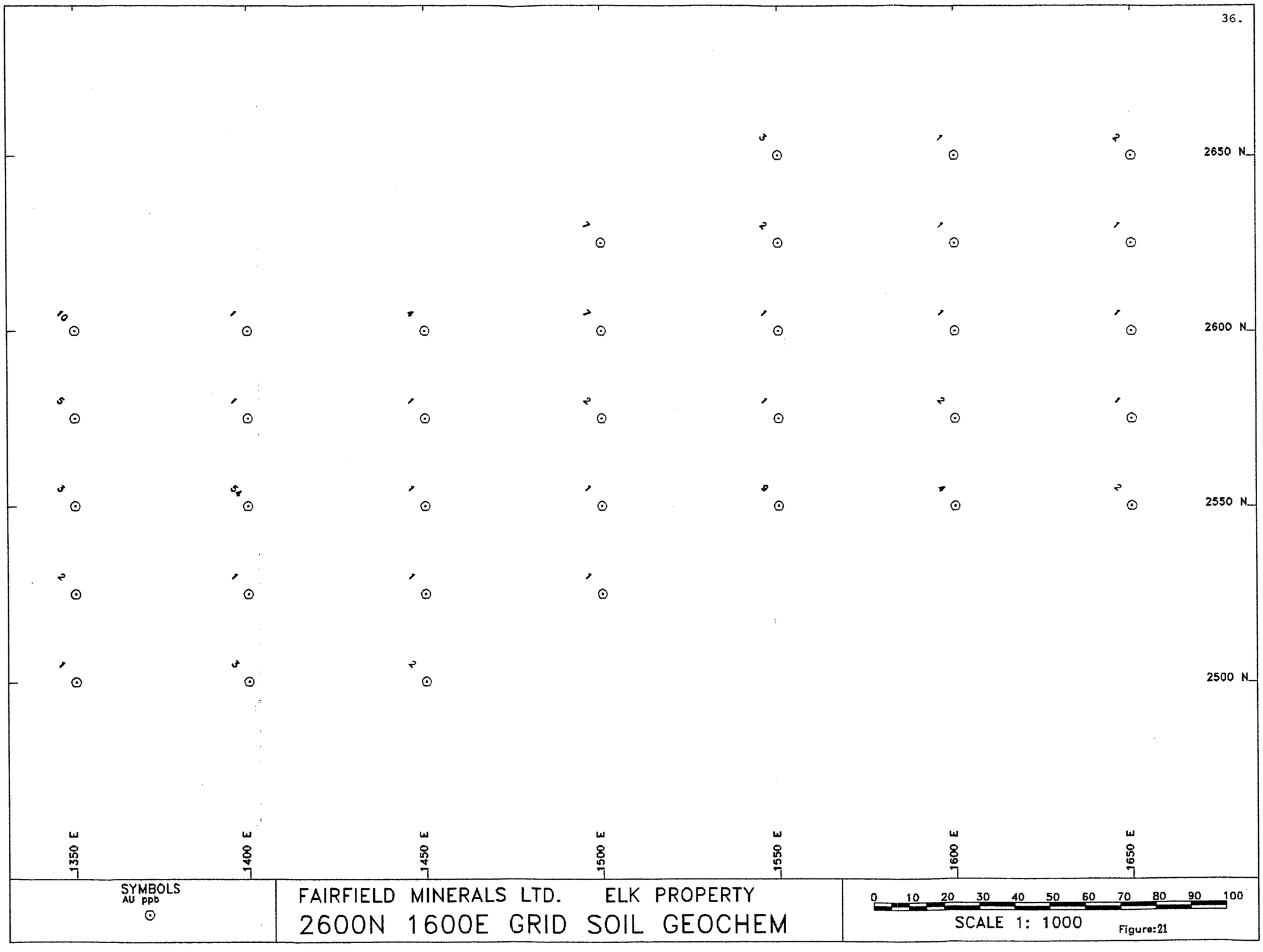
2850N 3800E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure:19


2850 N
2800 N
2750 N
2700 N
2650 N
350 E
400 E
450 E
500 E
550 E
600 E
650 E
700 E
750 E
800 E
850 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
2700N 600E GRID SOIL GEOCHEM
0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500
Figure:20



SYMBOLS
AU ppb ⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY

2600N 1600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure:21

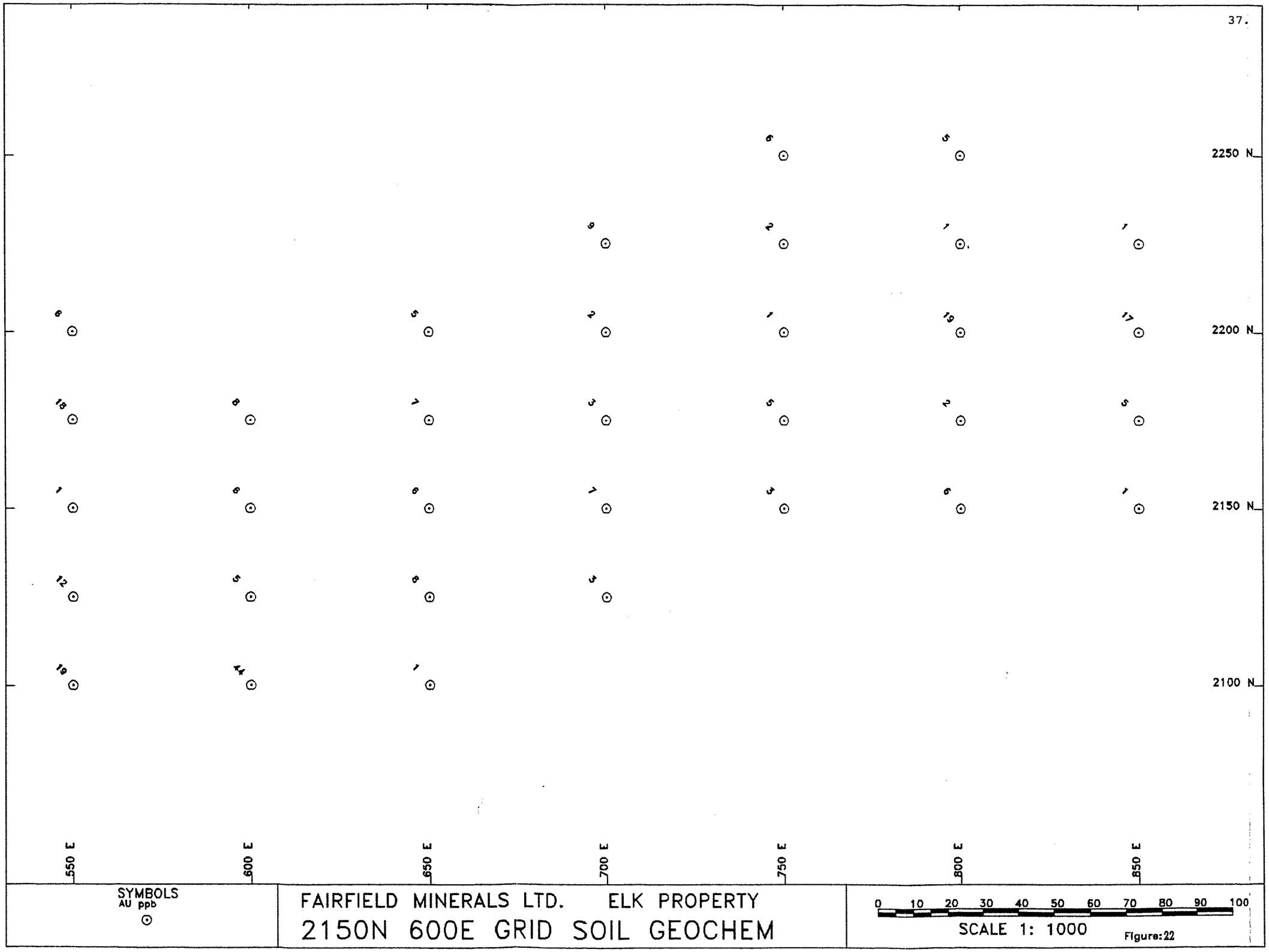
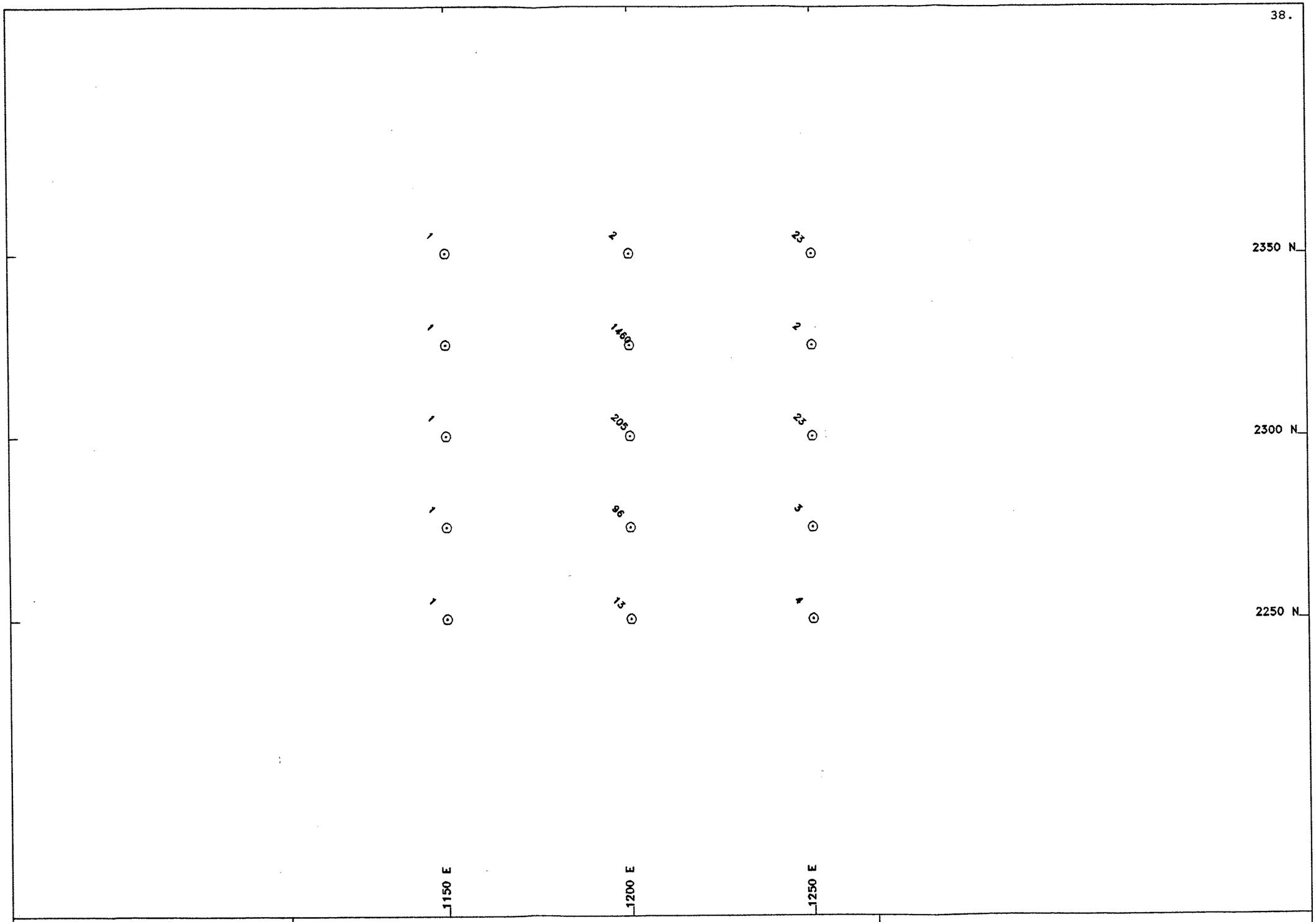

2250 N
2200 N
2150 N
2100 N
550 E
600 E
650 E
700 E
750 E
800 E
850 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
2150N 600E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure:22

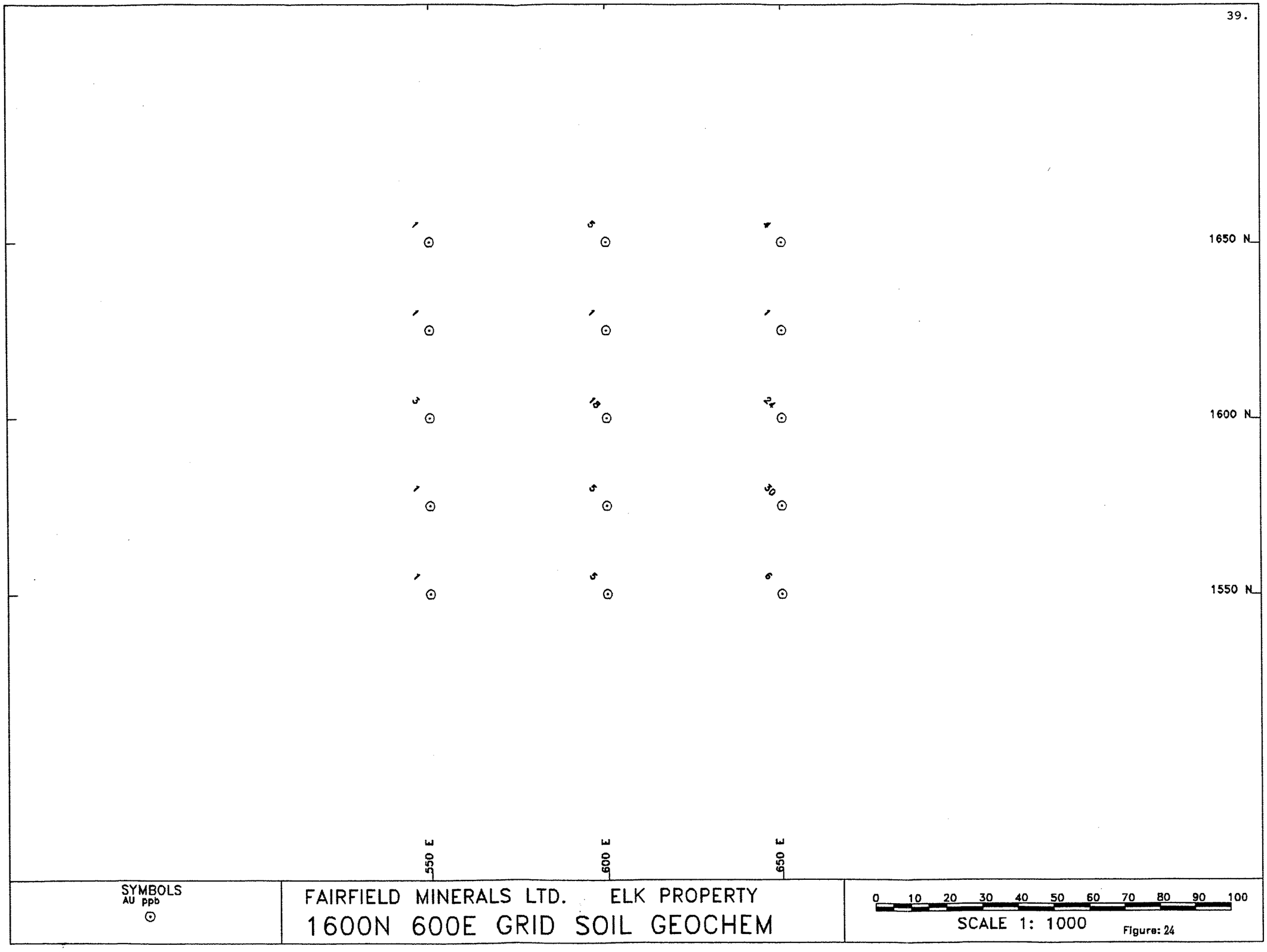


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
2300N 1200E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 23



SYMBOLS
AU ppb
⊙

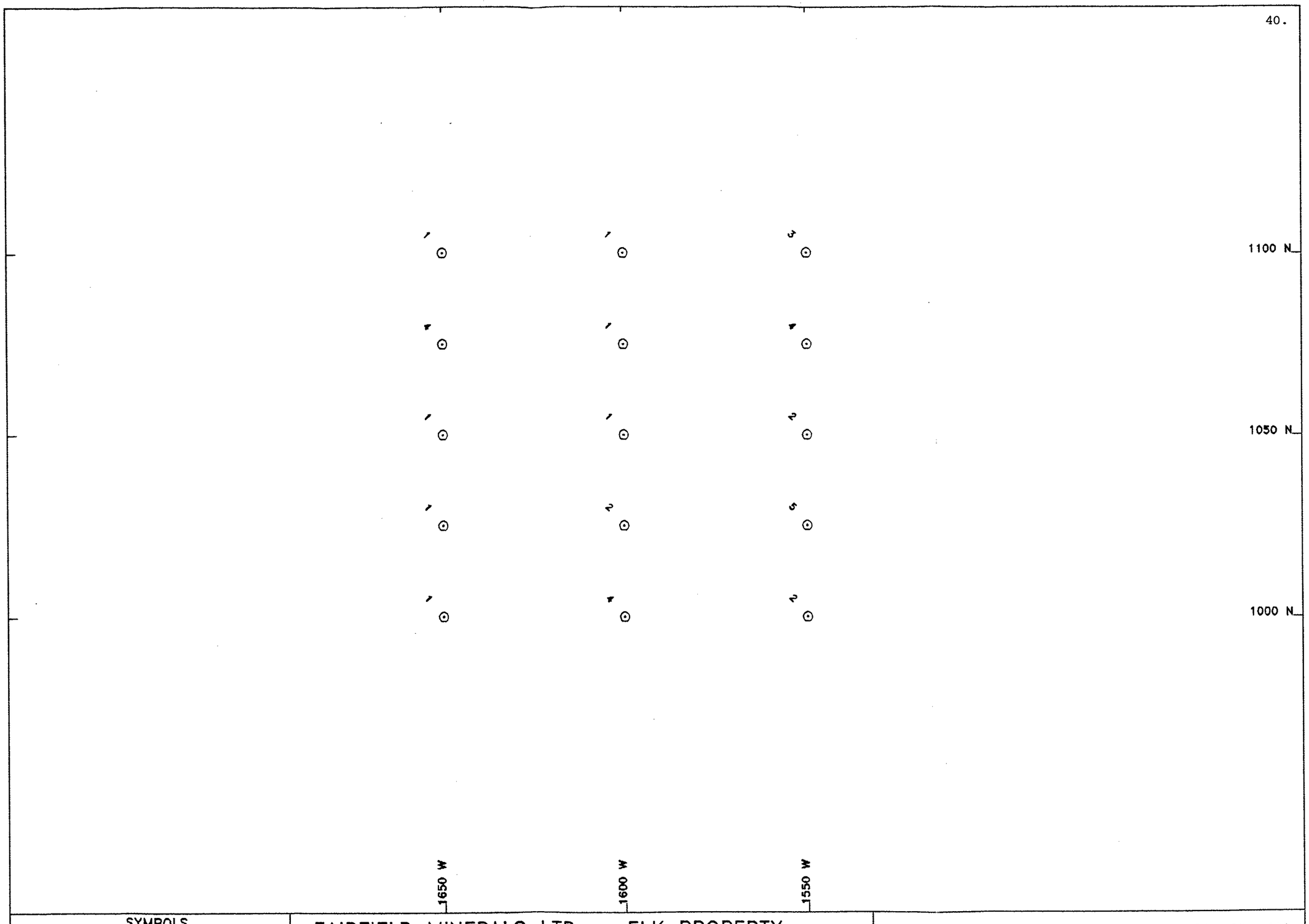
FAIRFIELD MINERALS LTD. ELK PROPERTY

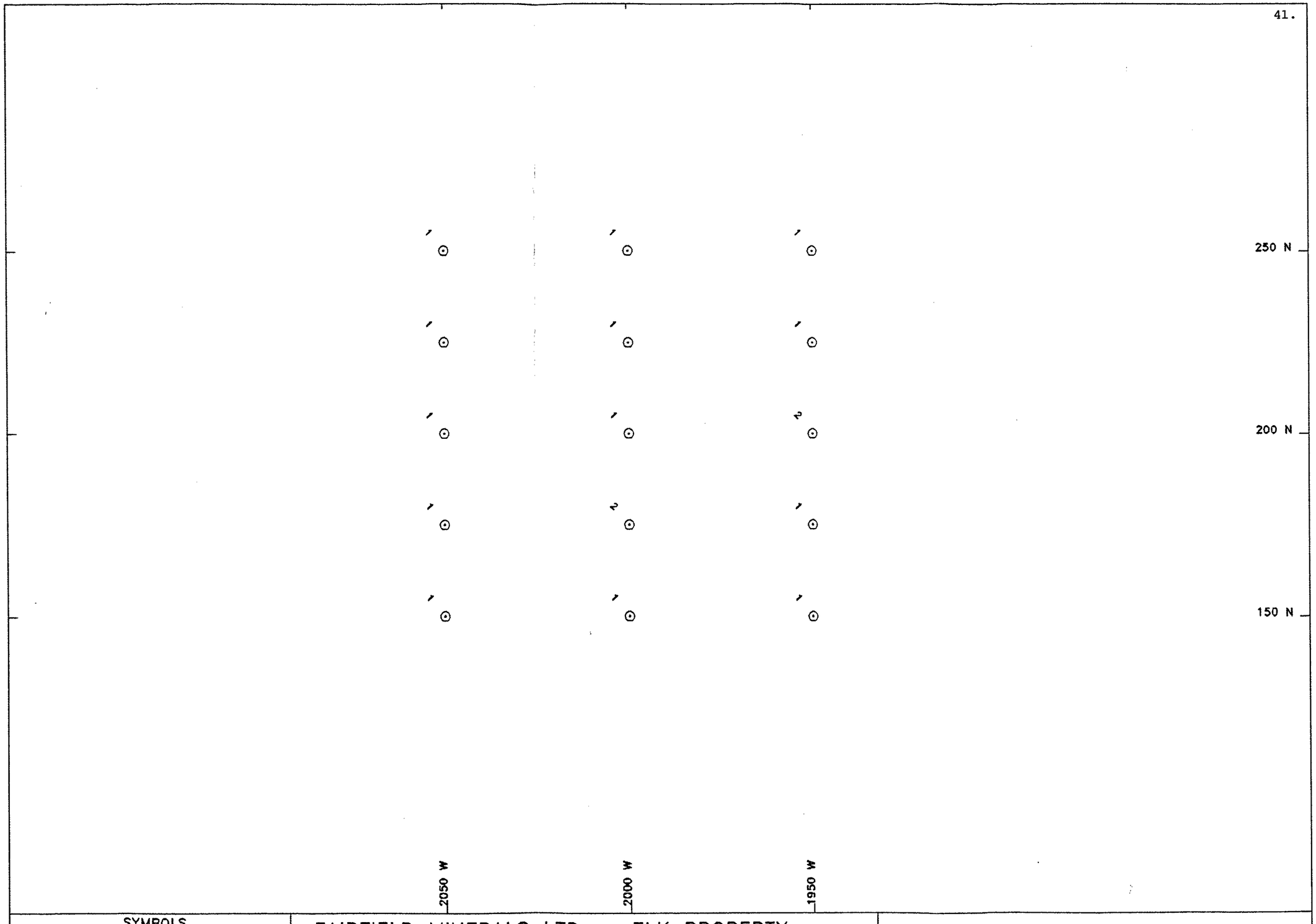
1600N 600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 24


1100 N
1050 N
1000 N
1650 W
1600 W
1550 W
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
1050N 1600W GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000
Figure:25



SYMBOLS
AU ppb

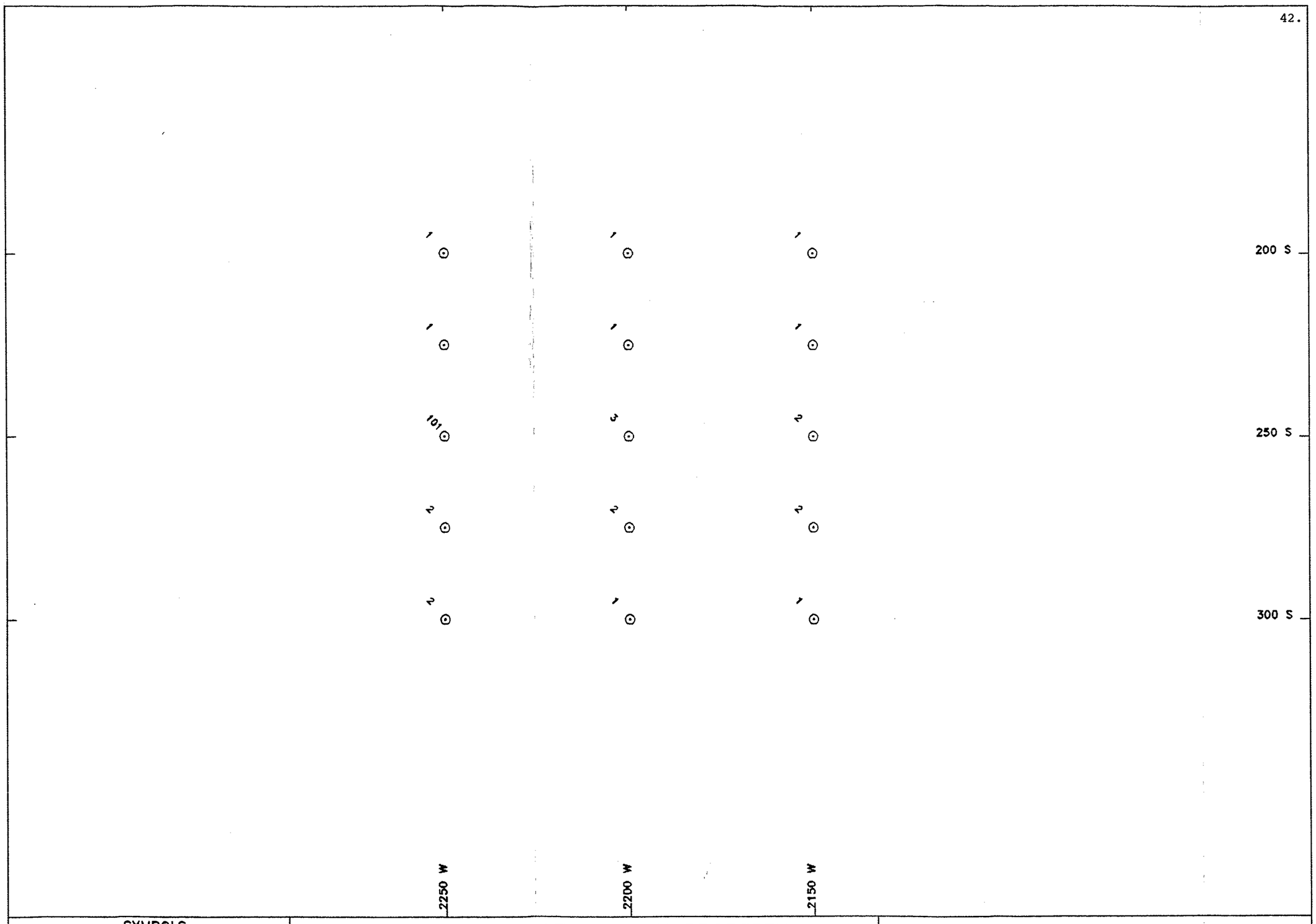
FAIRFIELD MINERALS LTD. ELK PROPERTY

200N 2000W GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 26



SYMBOLS
AU ppb
⊙

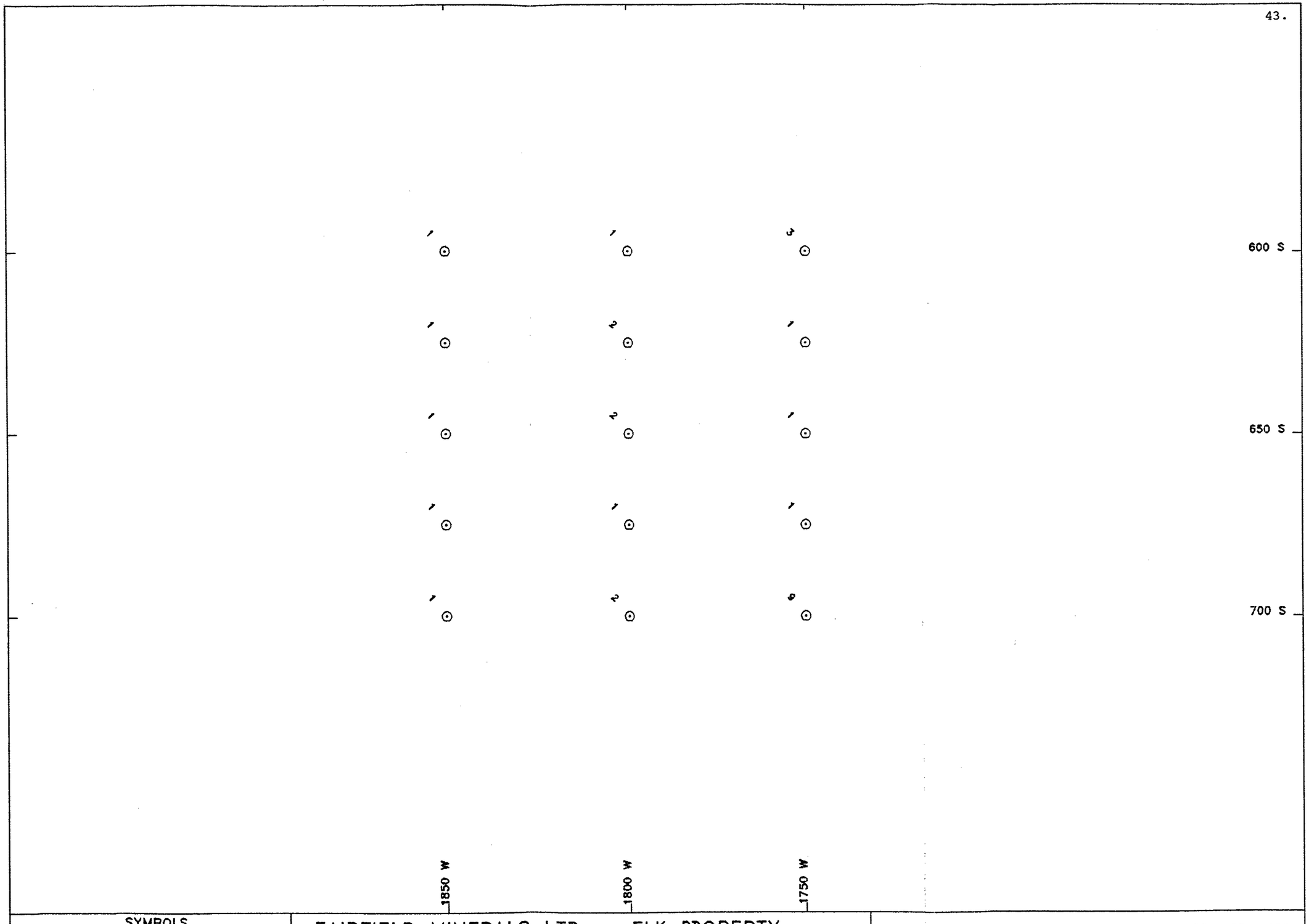
FAIRFIELD MINERALS LTD. ELK PROPERTY

250S 2200W GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 27



SYMBOLS
AU ppb ⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY

650S 1800W GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 28

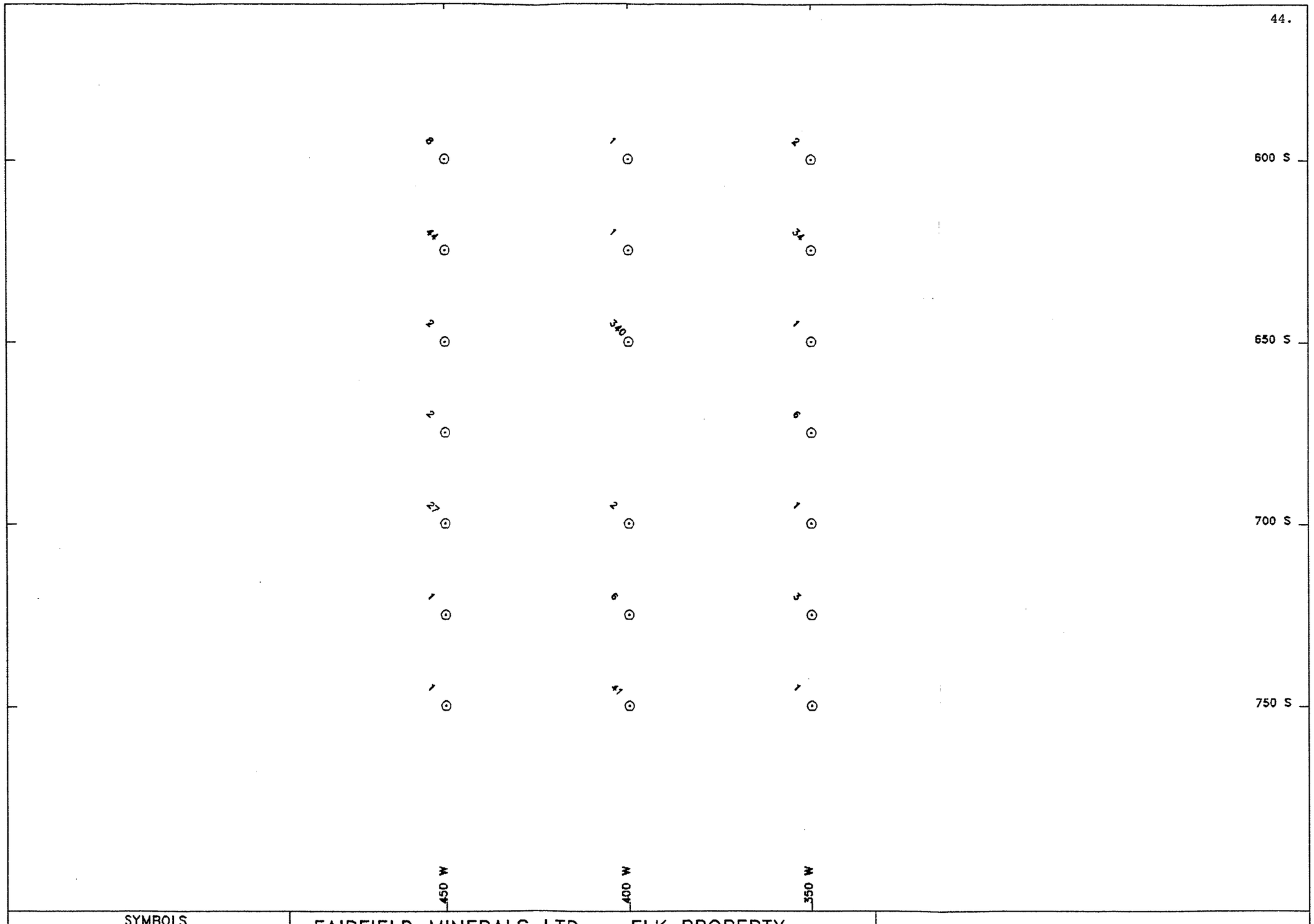
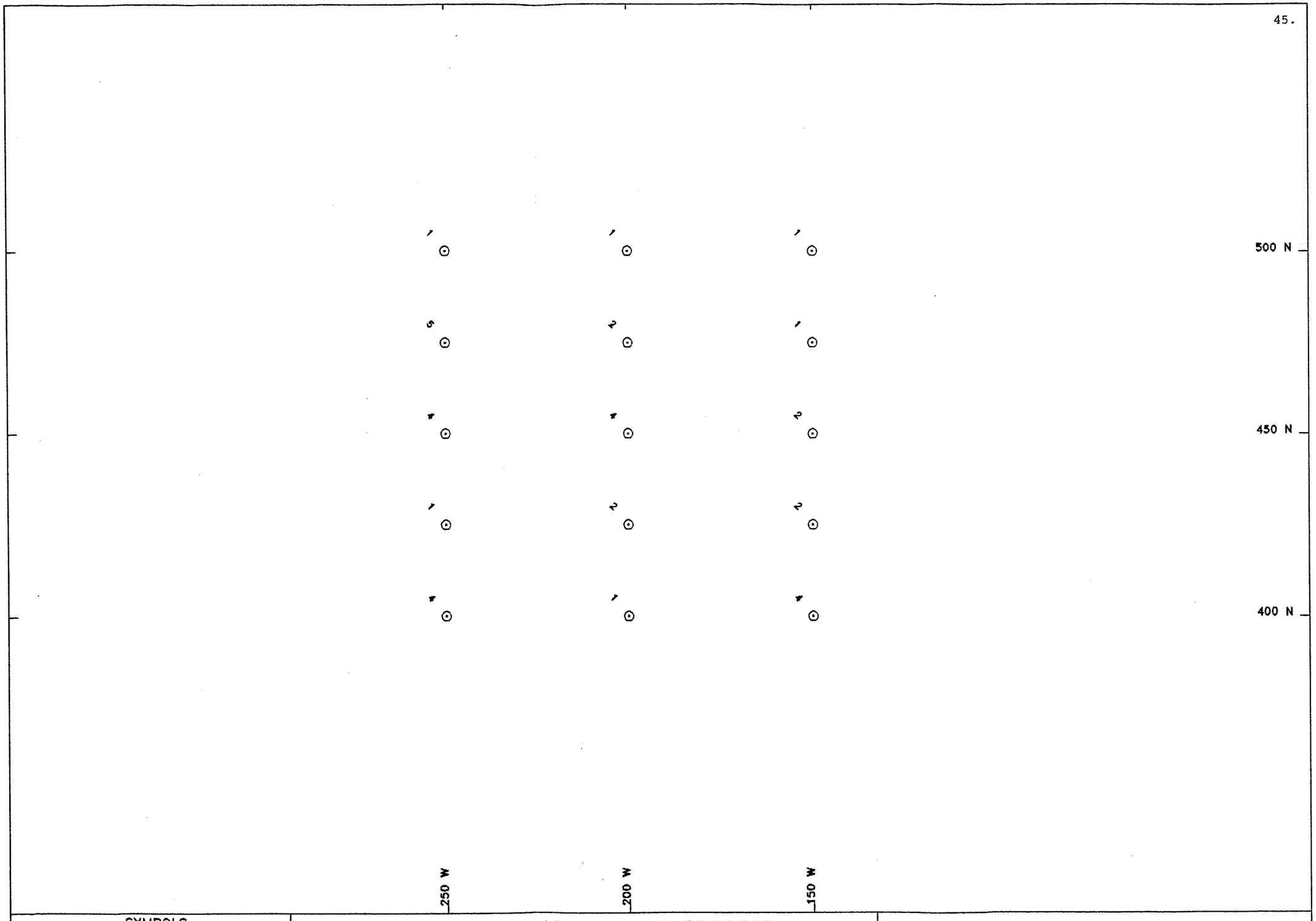

600 S
650 S
700 S
750 S
450 W
400 W
350 W
6
1
2
44
1
34
2
340
1
2
6
27
2
1
1
6
5
1
47
1
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
700S 400W GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 29



SYMBOLS
AU ppb
⊙

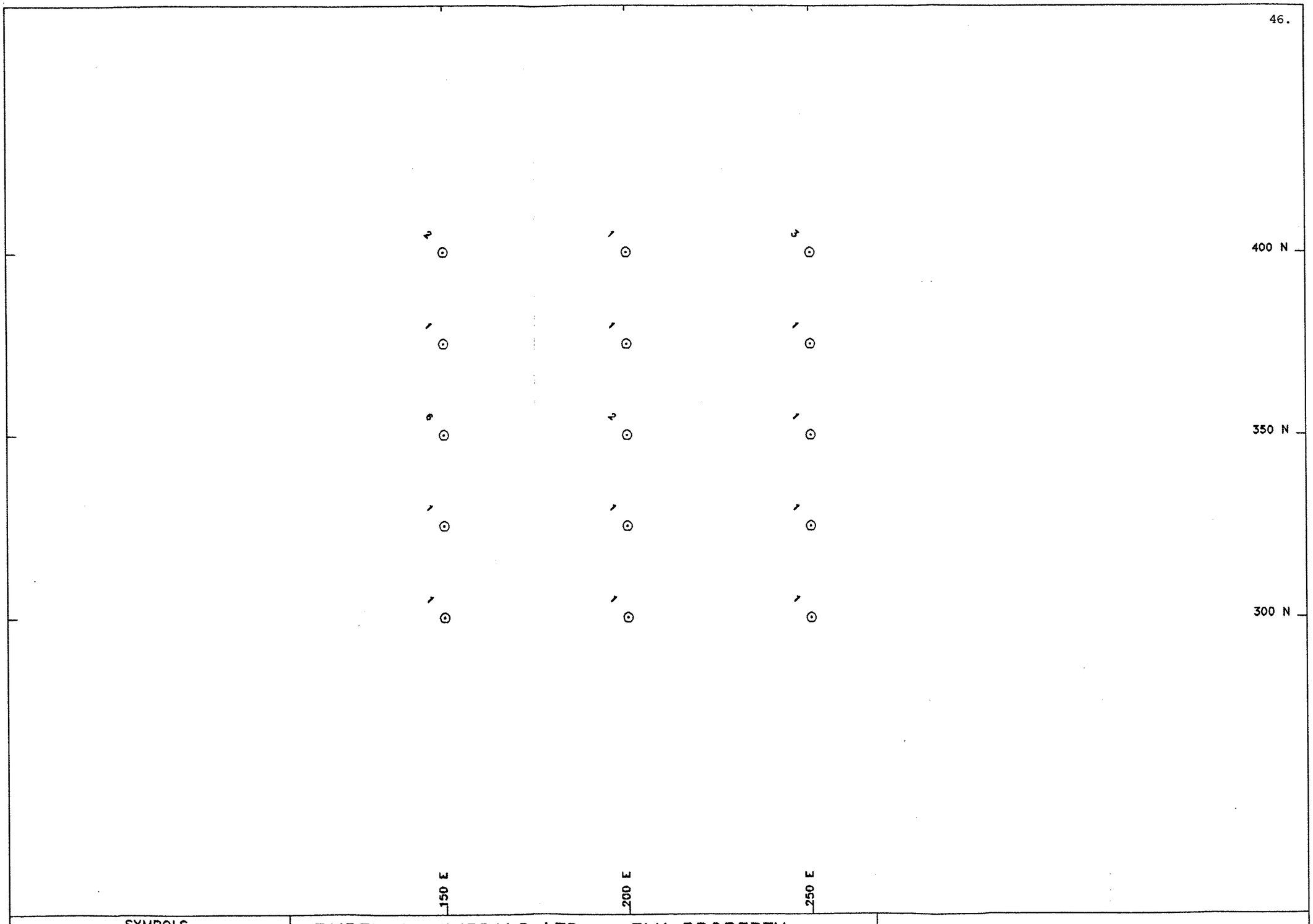
FAIRFIELD MINERALS LTD. ELK PROPERTY

450N 200W GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 30

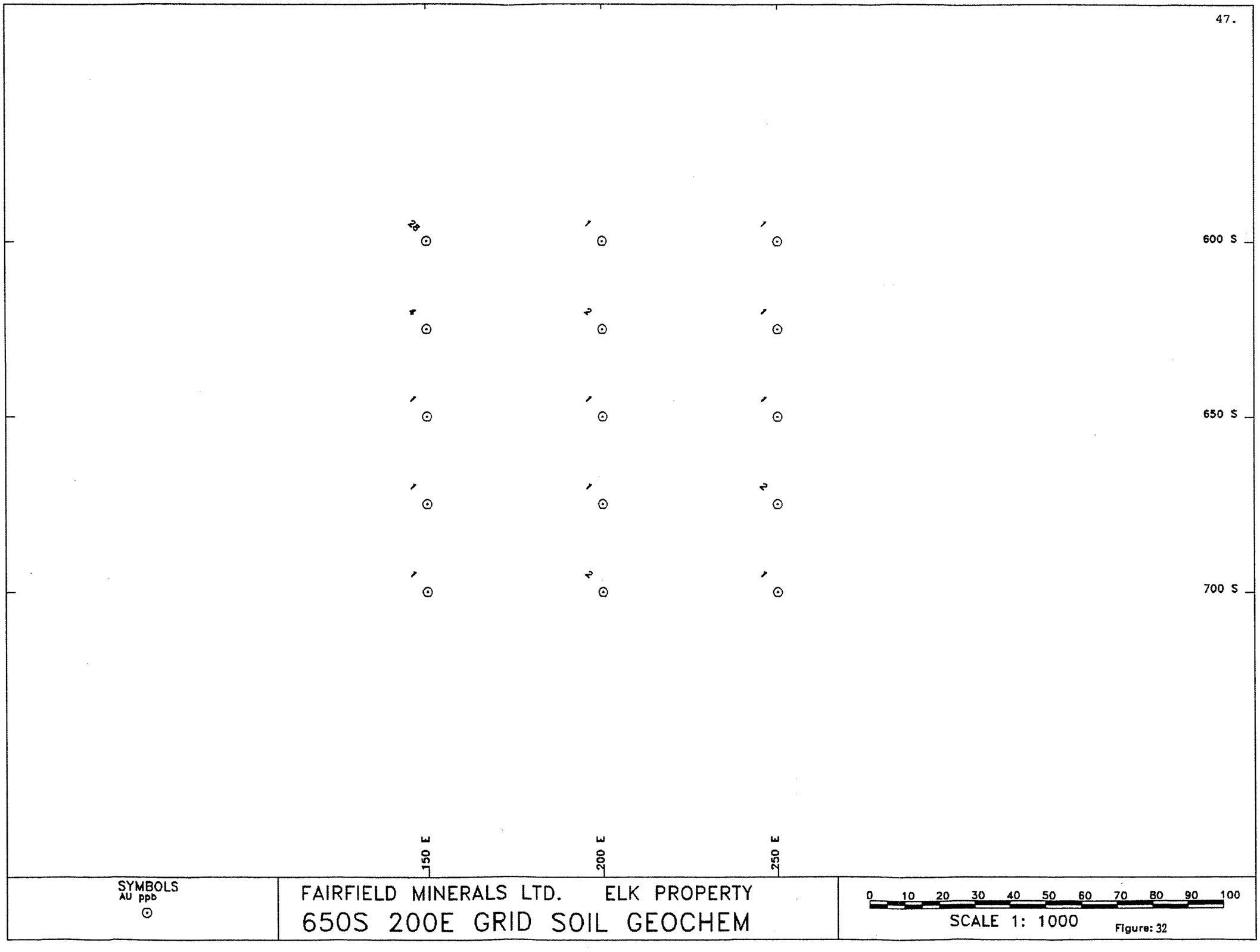


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
350N 200E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 31



SYMBOLS
AU ppb
⊙

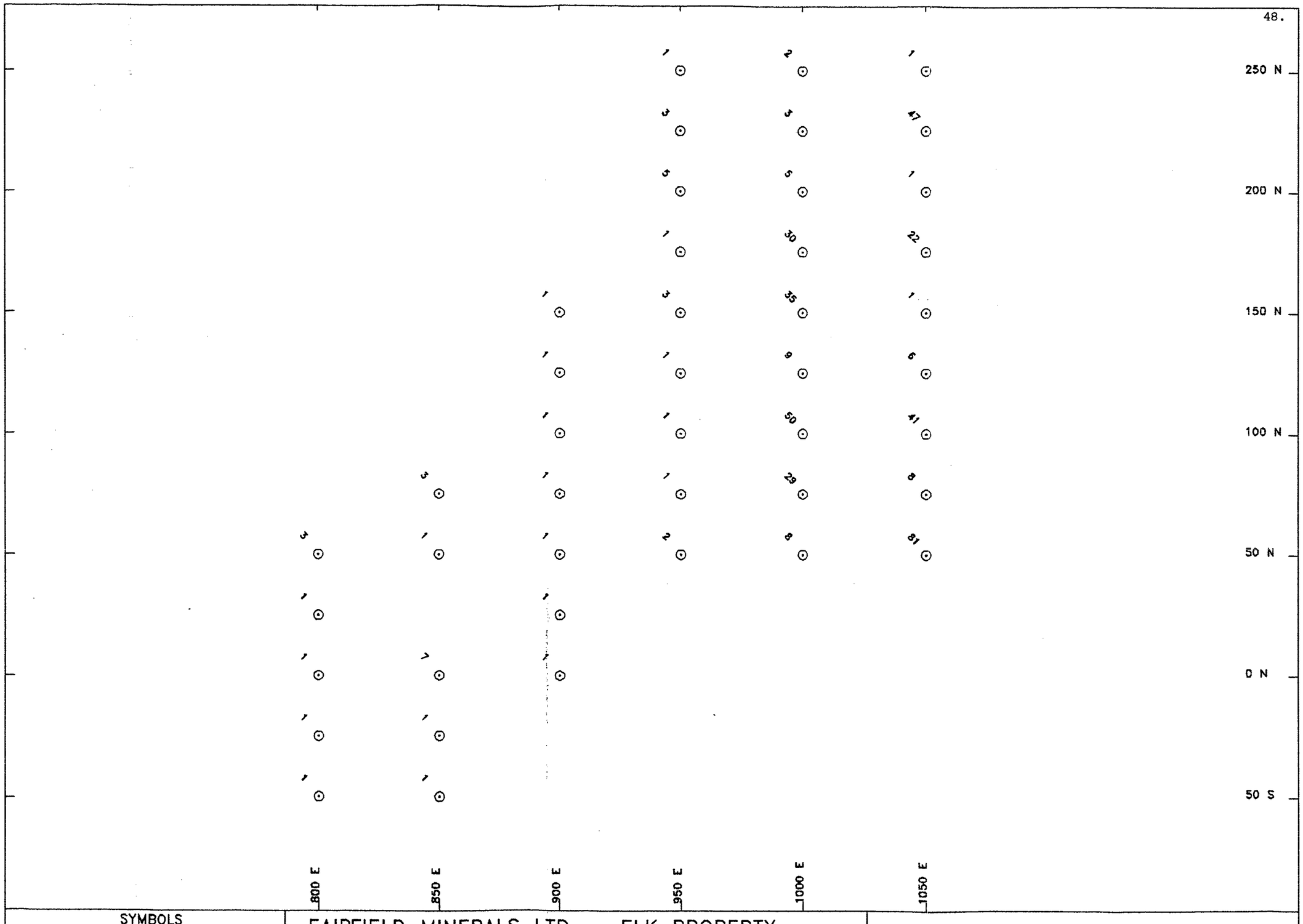
FAIRFIELD MINERALS LTD. ELK PROPERTY

650S 200E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 32



SYMBOLS
AU ppb
⊙

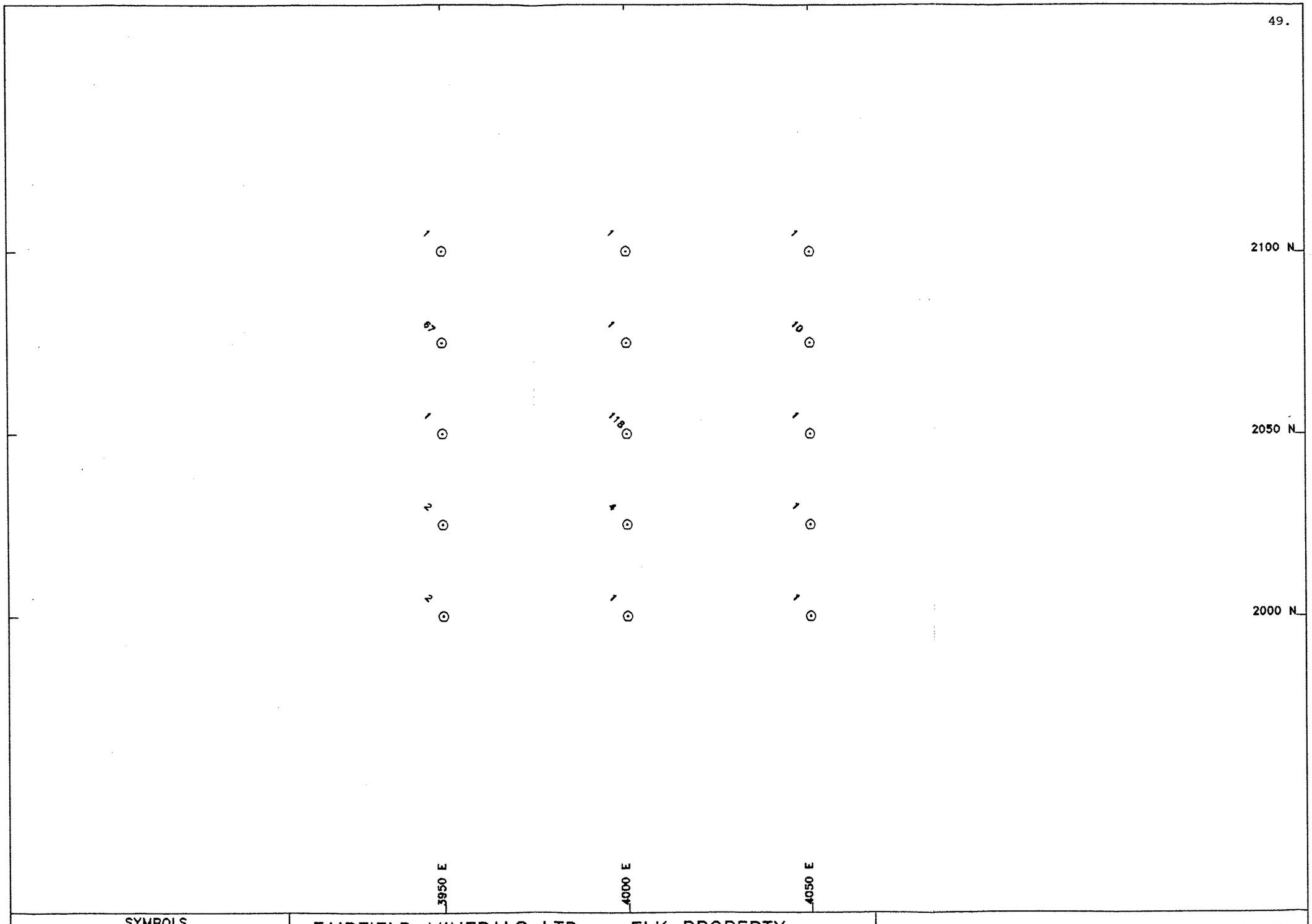
FAIRFIELD MINERALS LTD. ELK PROPERTY

00N 800E GRID SOIL GEOCHEM

0 15 30 45 60 75 90 105 120 135 150

SCALE 1: 1500

Figure: 33

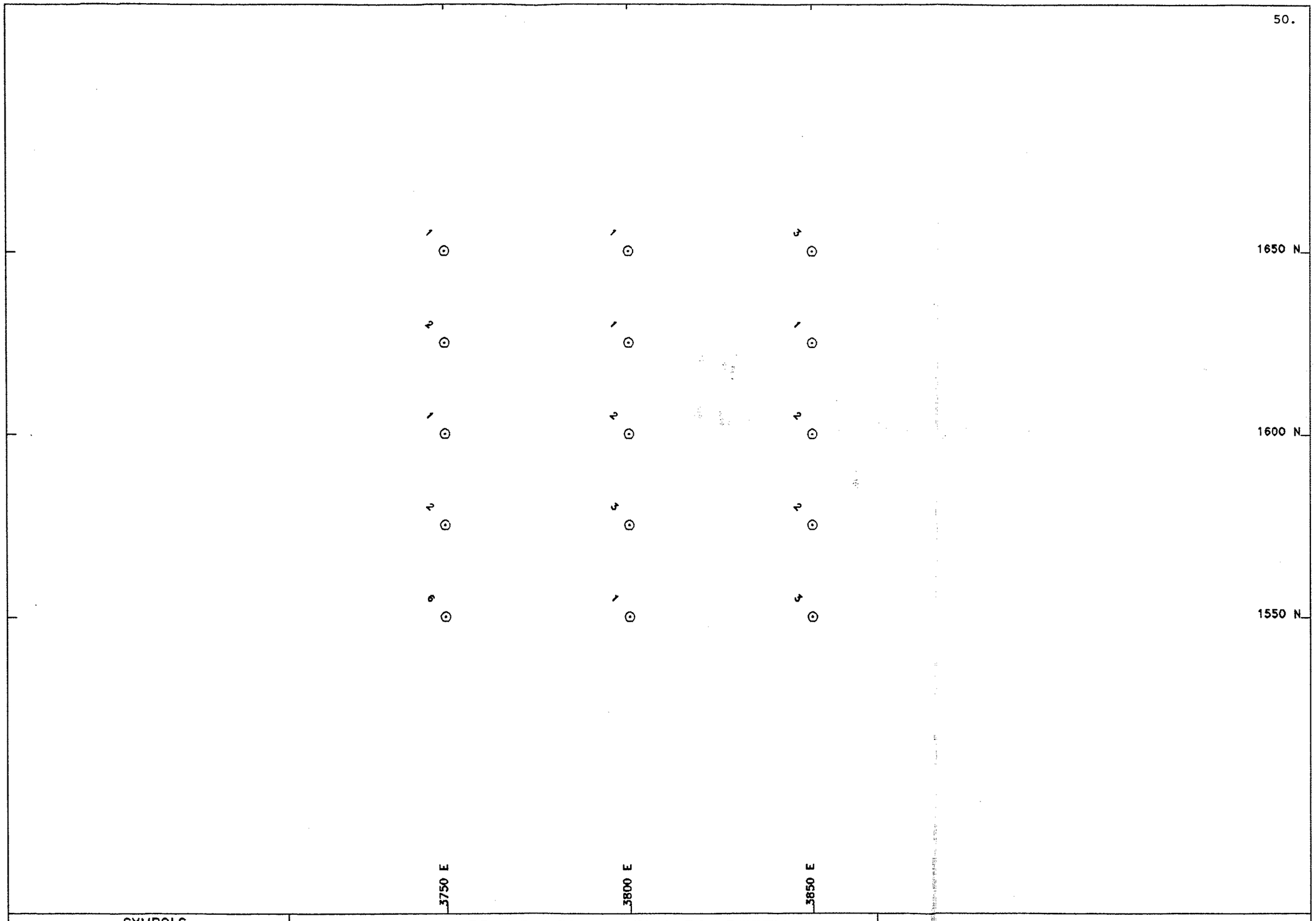


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
2050N 4000E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 34



SYMBOLS
AU ppb
⊙

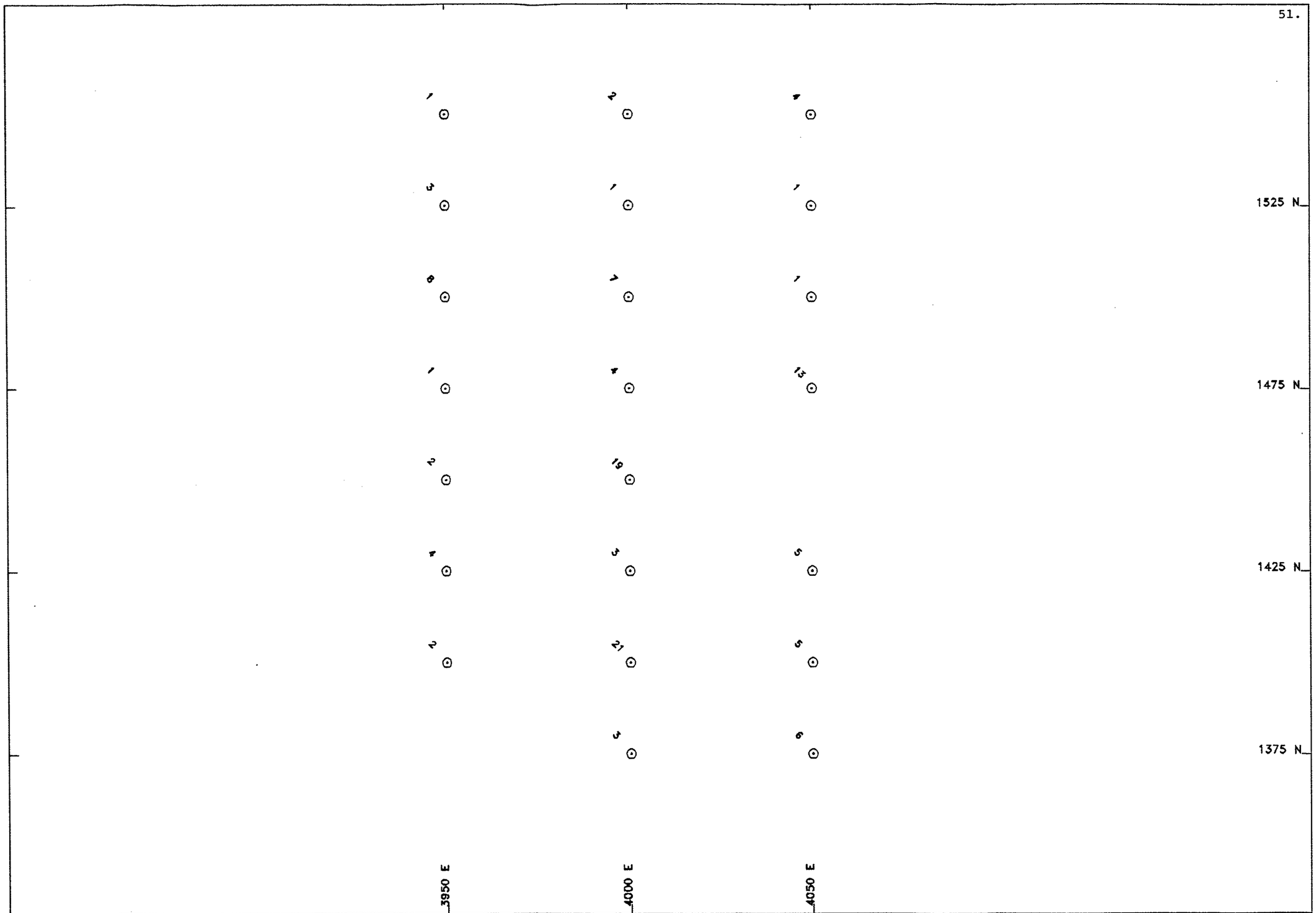
FAIRFIELD MINERALS LTD. ELK PROPERTY

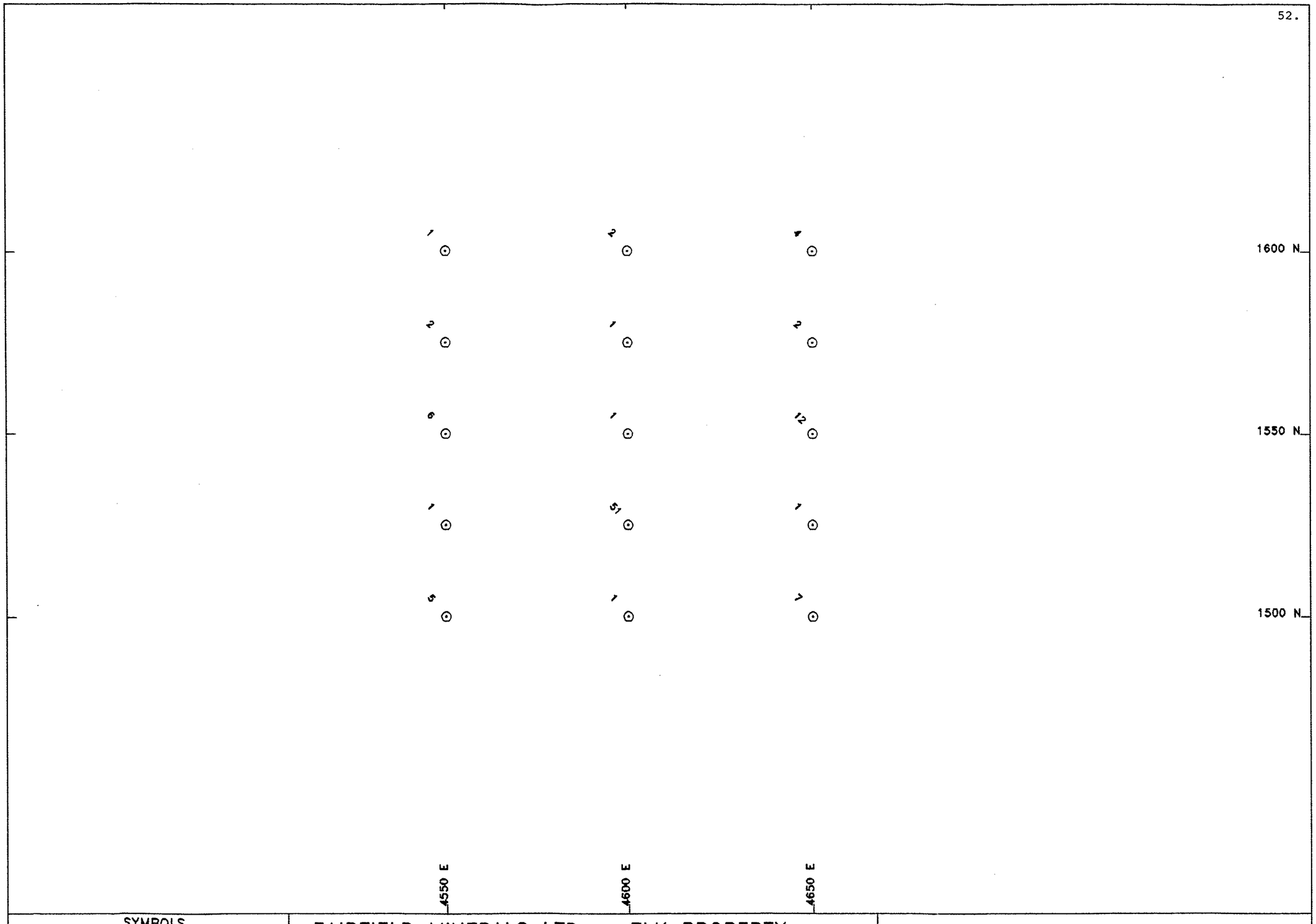
1600N 3800E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 35


1525 N
1475 N
1425 N
1375 N
3950 E
4000 E
4050 E
1 2 4
3 1 1
8 1 1
1 4 13
2 15
4 5 5
2 21 5
5 6
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
1500N 4000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000
Figure:36

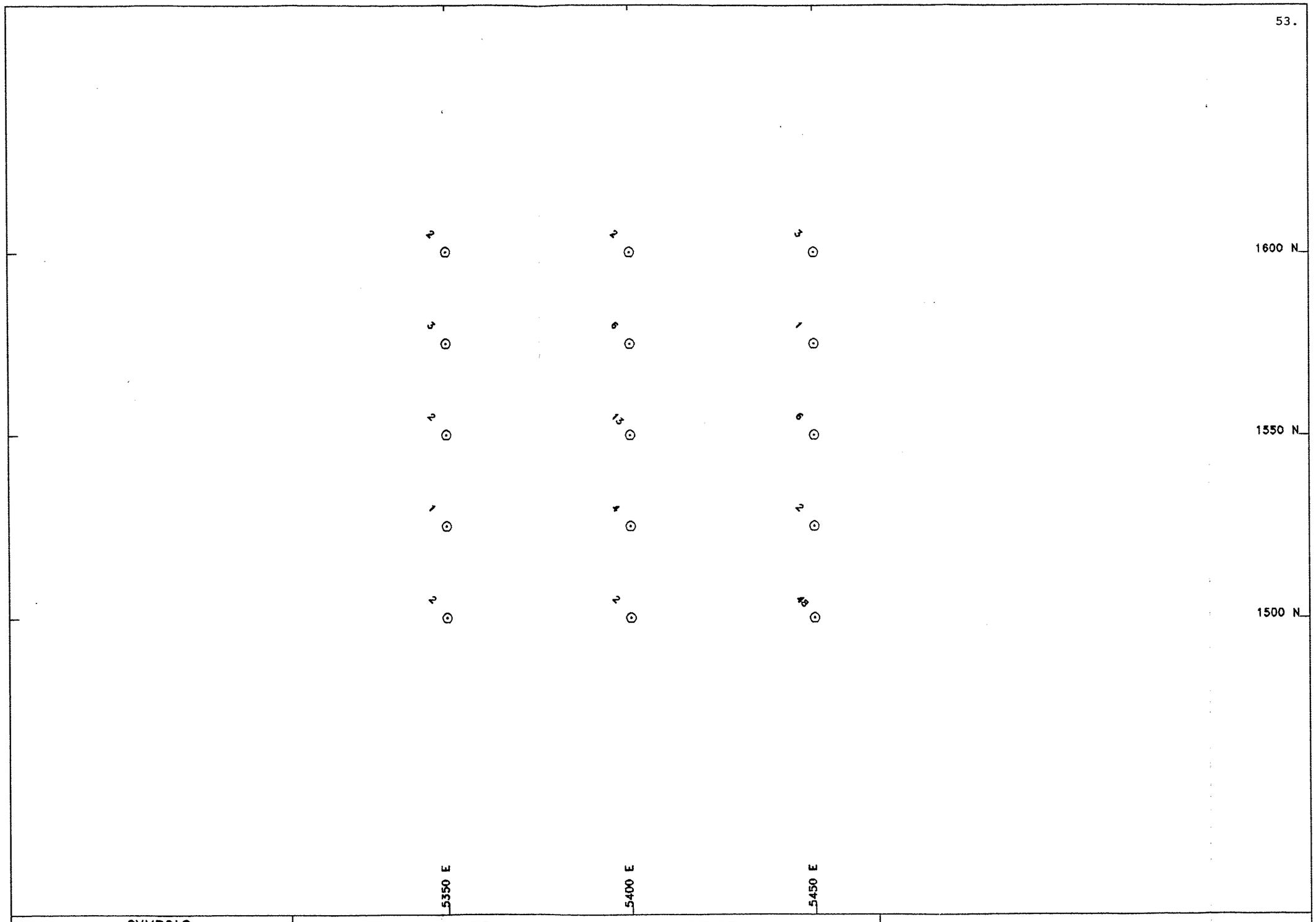


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
1550N 4600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 37

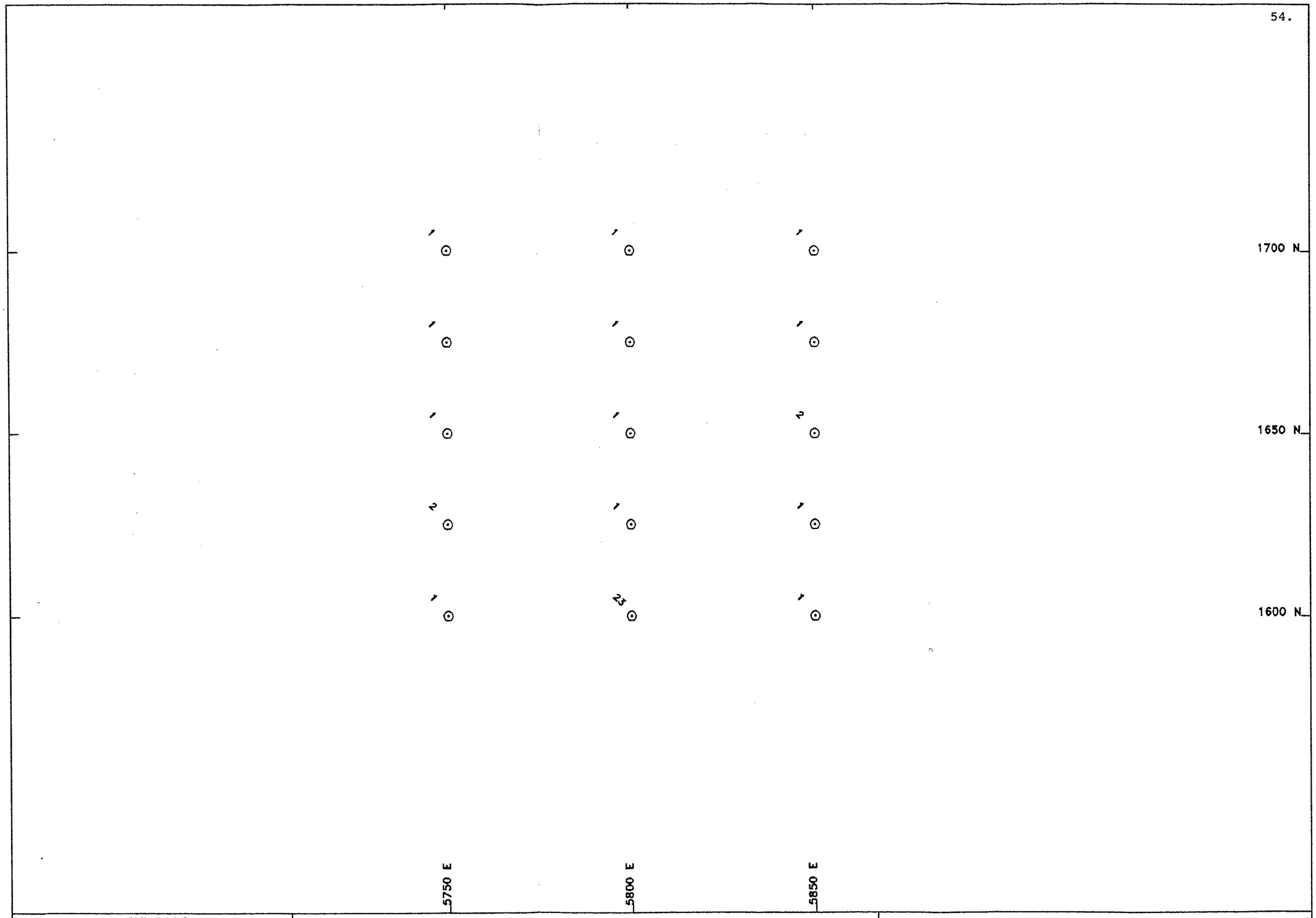


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
1550N 5400E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 38

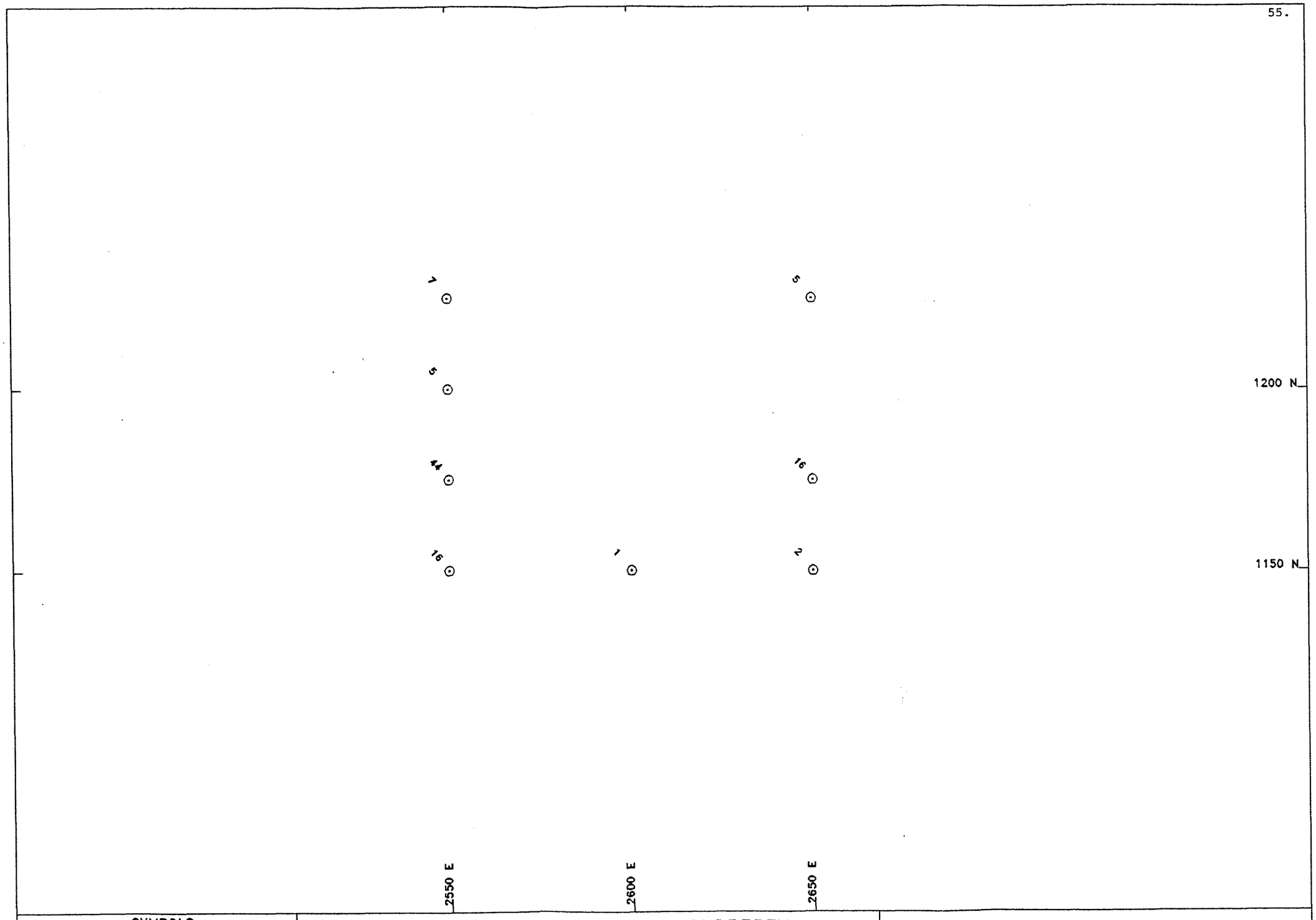


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
1650N 5800E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 39

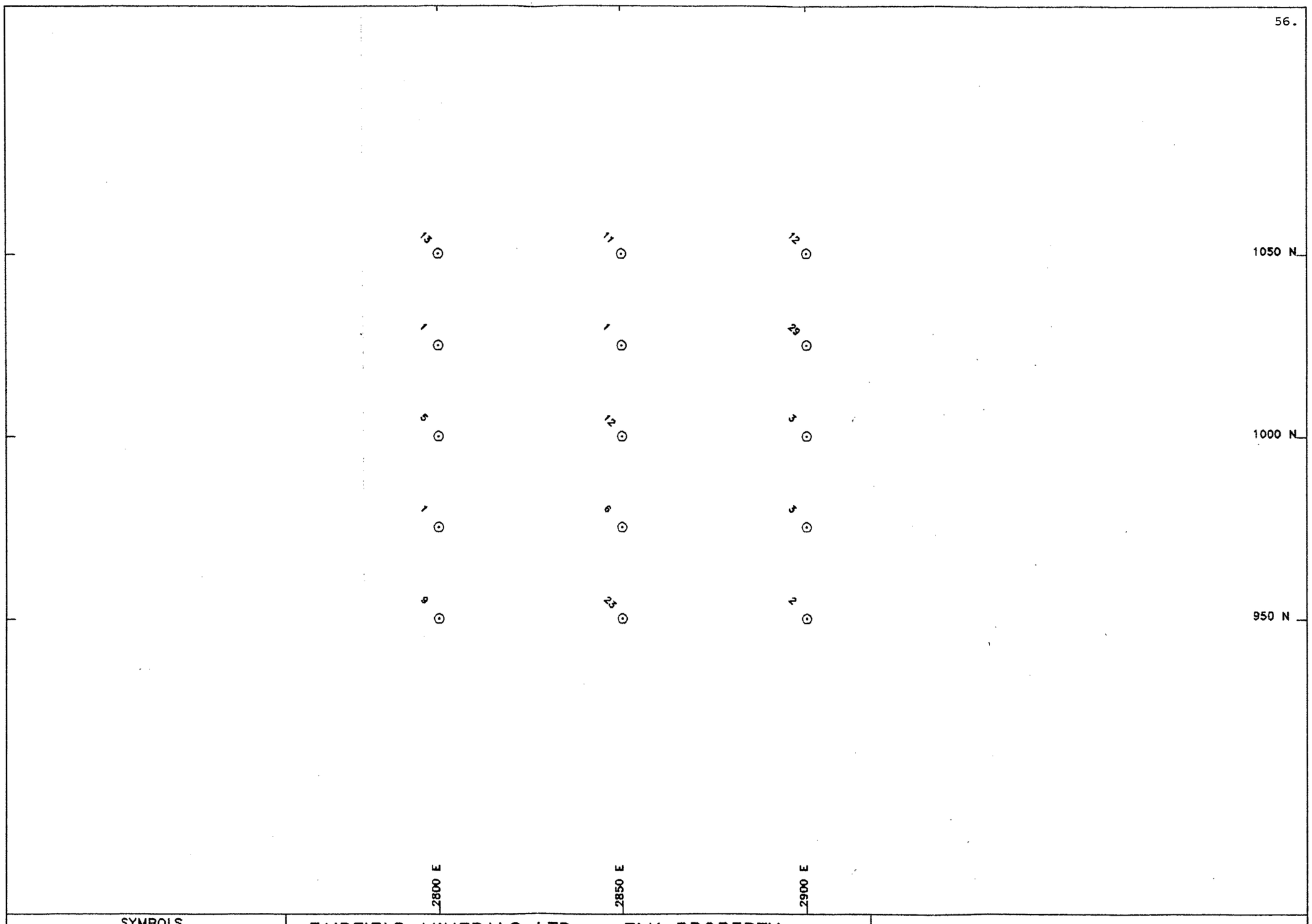


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
1200N 2600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 40



SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
1000N 2850E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 41

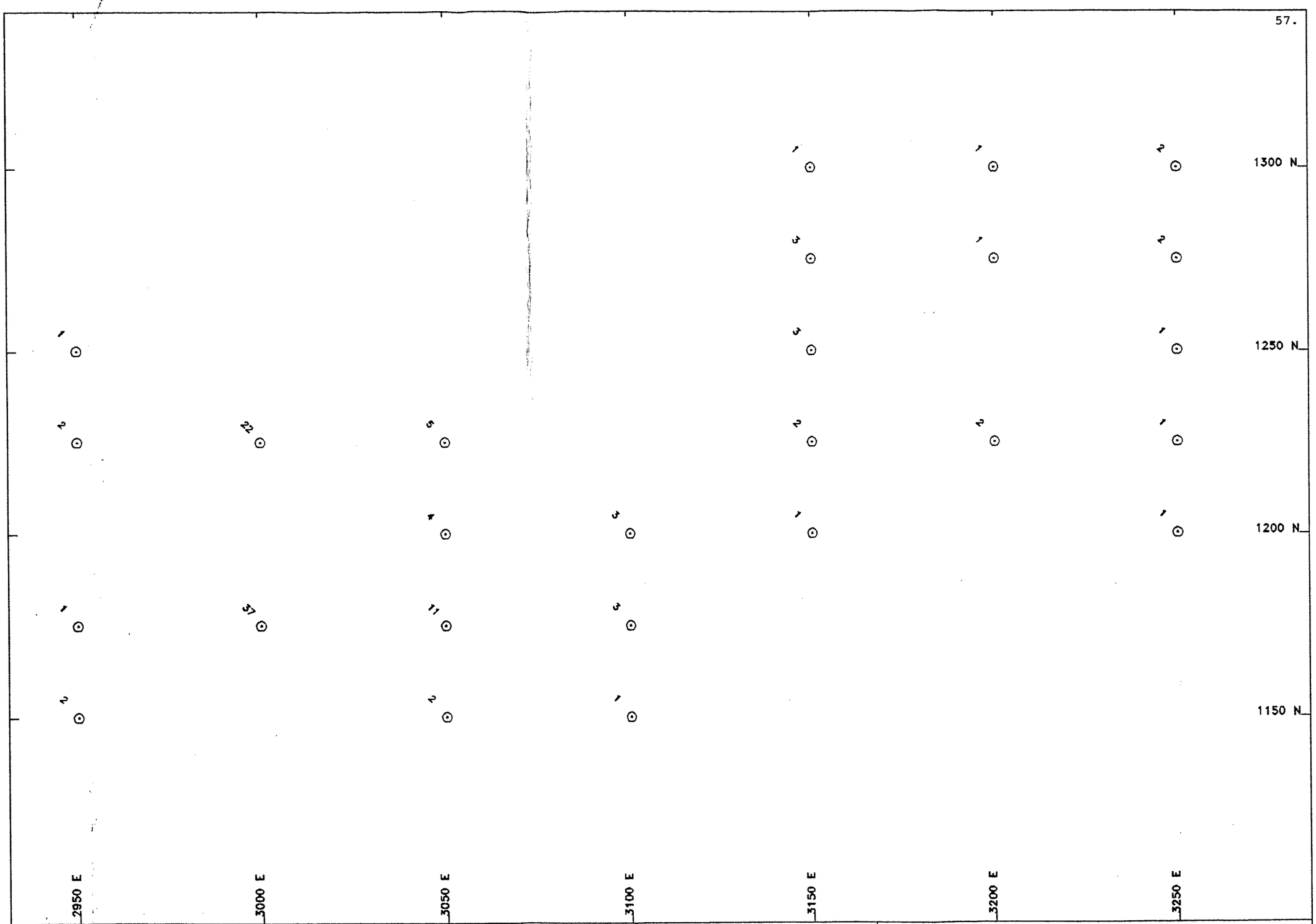
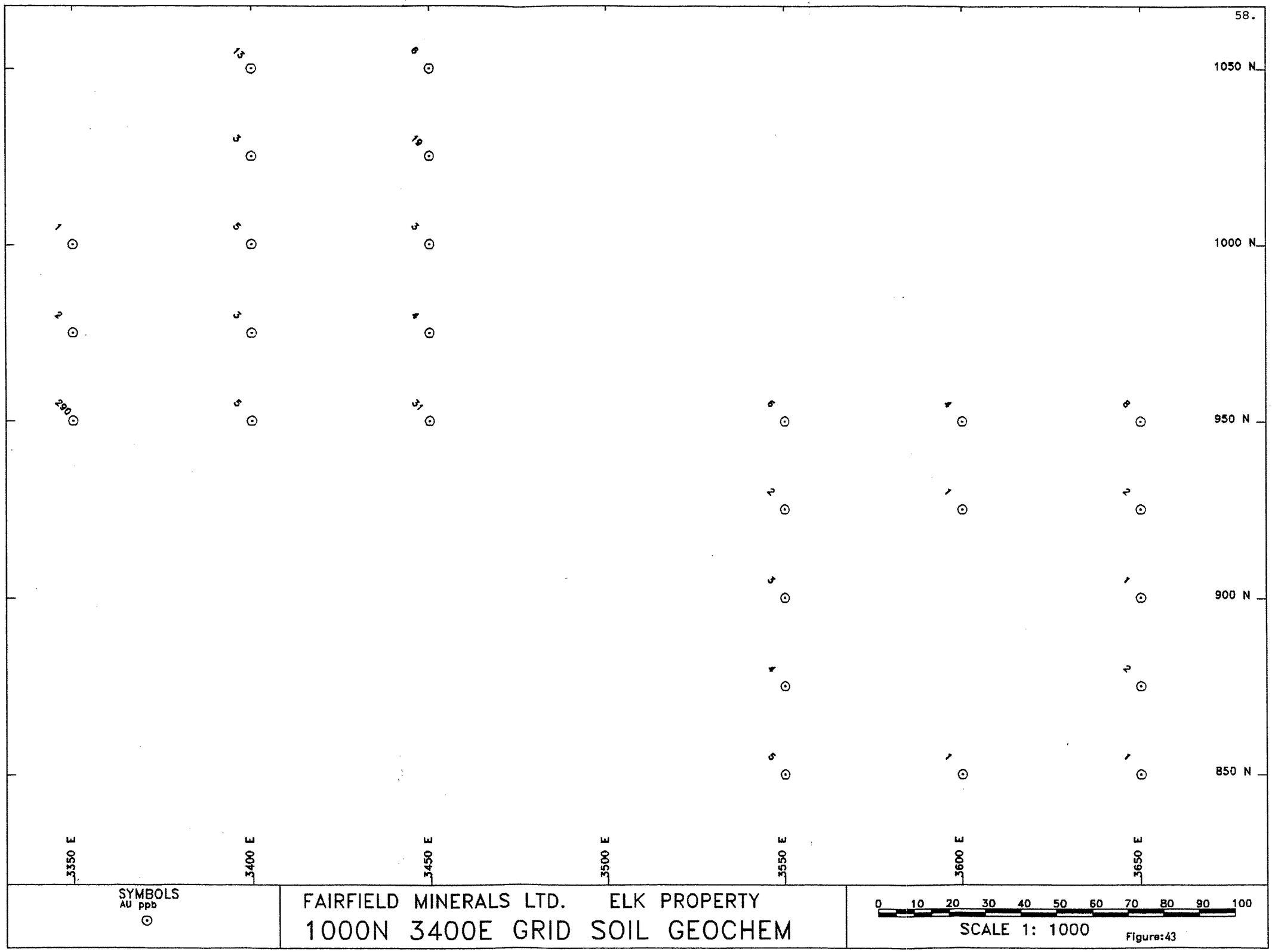

1300 N
1250 N
1200 N
1150 N
2950 E
3000 E
3050 E
3100 E
3150 E
3200 E
3250 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
1200N 3000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 42



SYMBOLS
AU ppb

FAIRFIELD MINERALS LTD. ELK PROPERTY

1000N 3400E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure:43

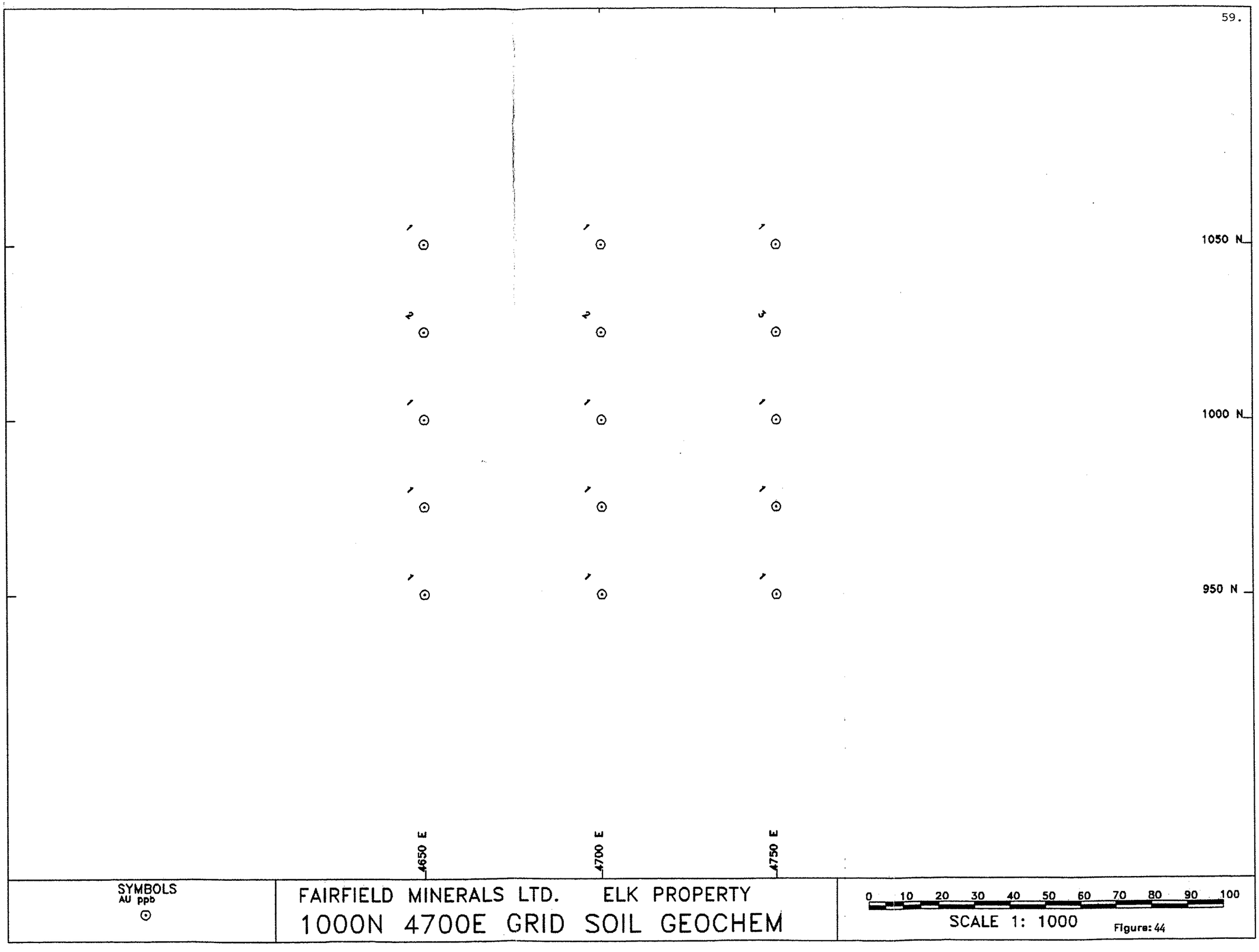

1050 N
1000 N
950 N
4650 E
4700 E
4750 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
1000N 4700E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 44

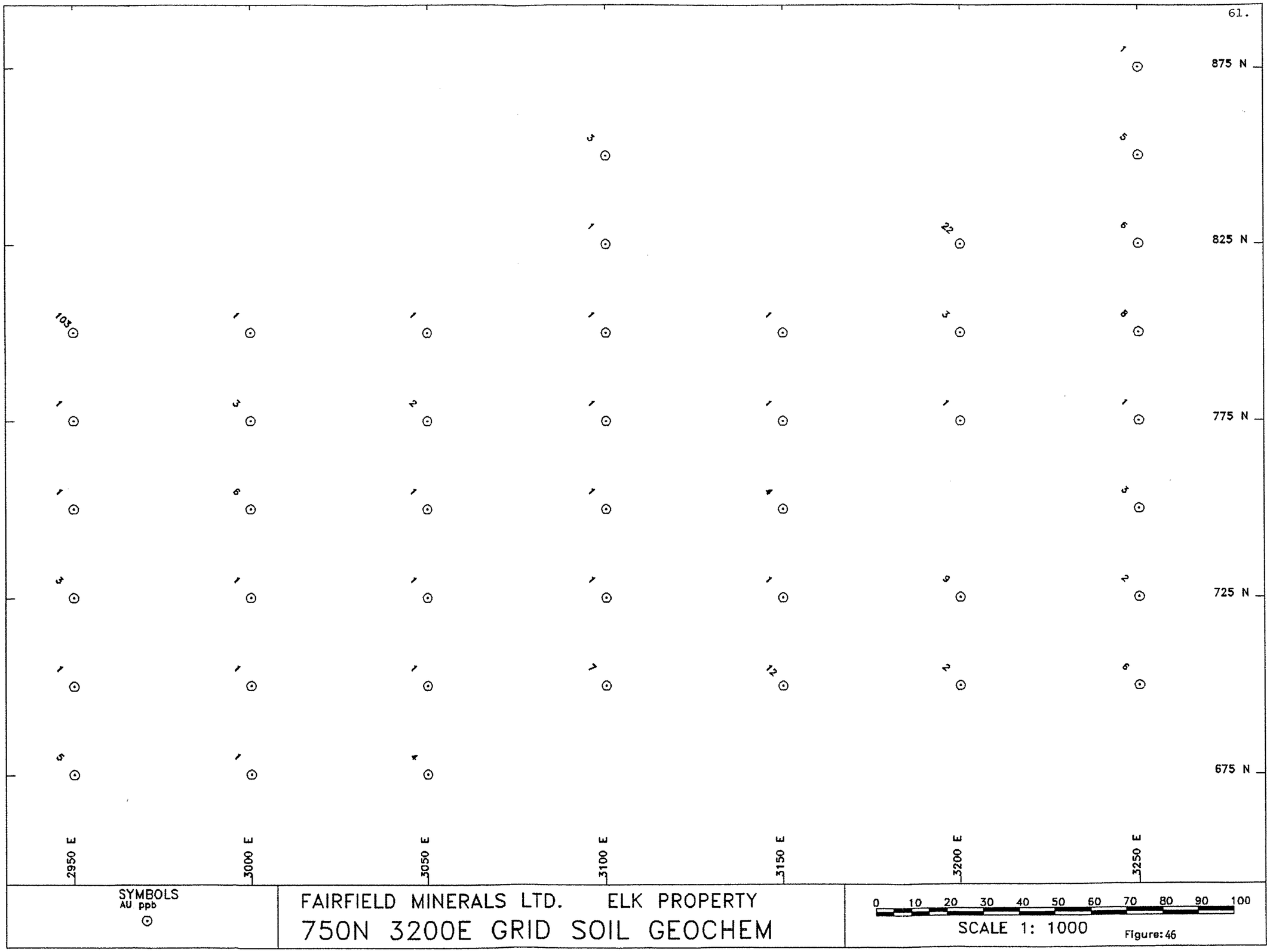
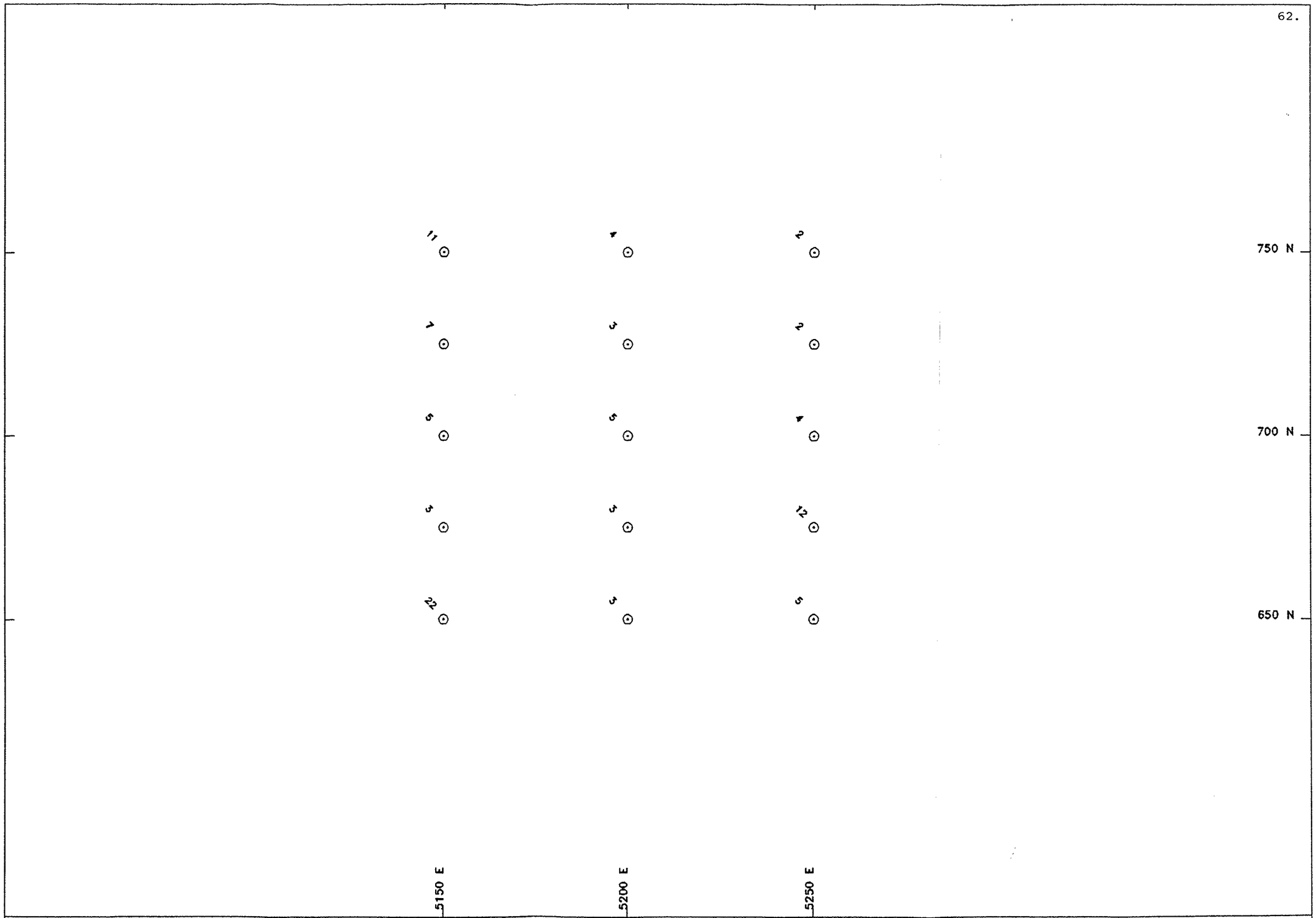

875 N
825 N
775 N
725 N
675 N
2950 E
3000 E
3050 E
3100 E
3150 E
3200 E
3250 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
750N 3200E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 46



SYMBOLS
AU ppb
⊙

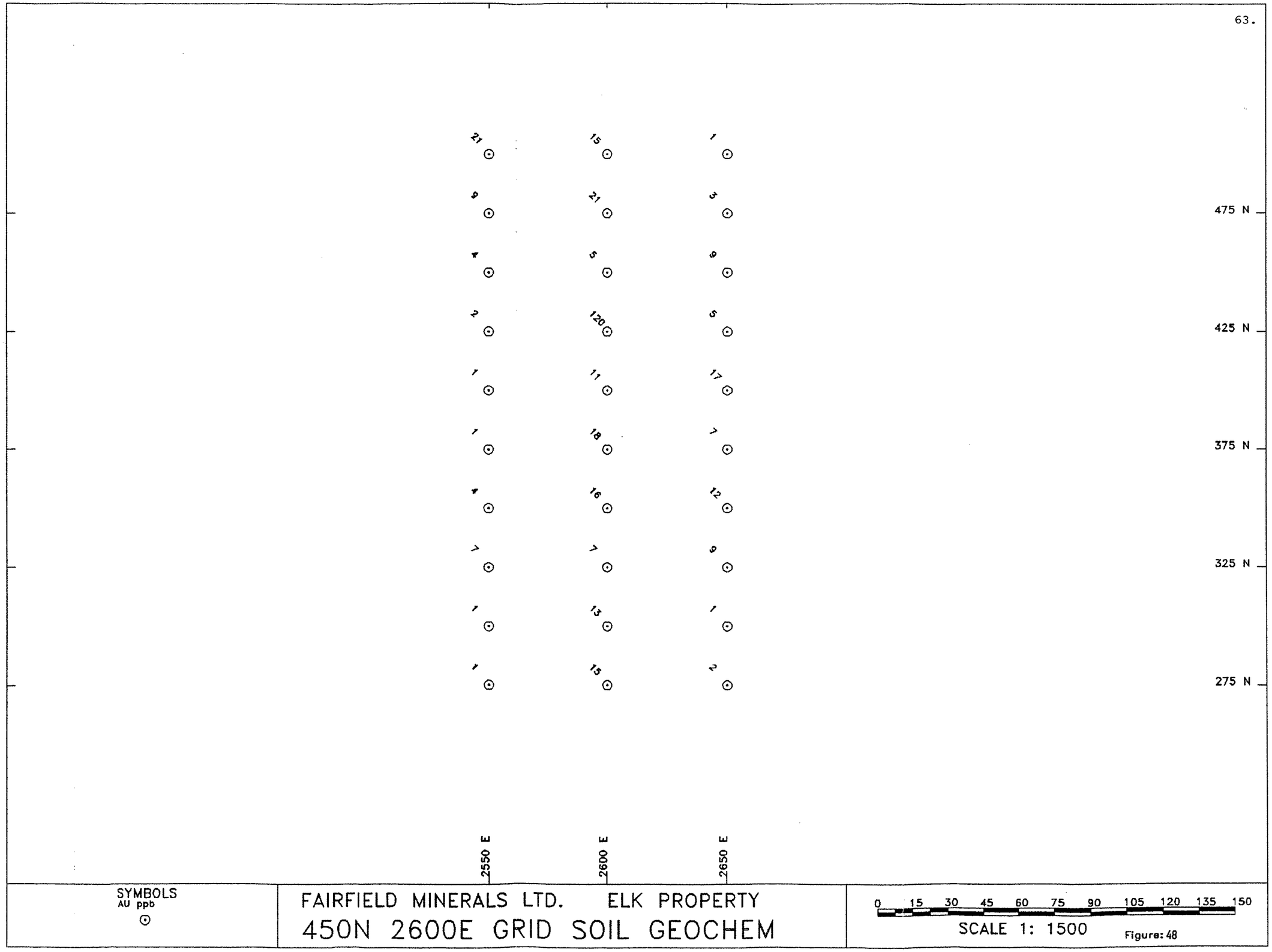
FAIRFIELD MINERALS LTD. ELK PROPERTY

700N 5200E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 47



SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
450N 2600E GRID SOIL GEOCHEM

0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500

Figure: 48

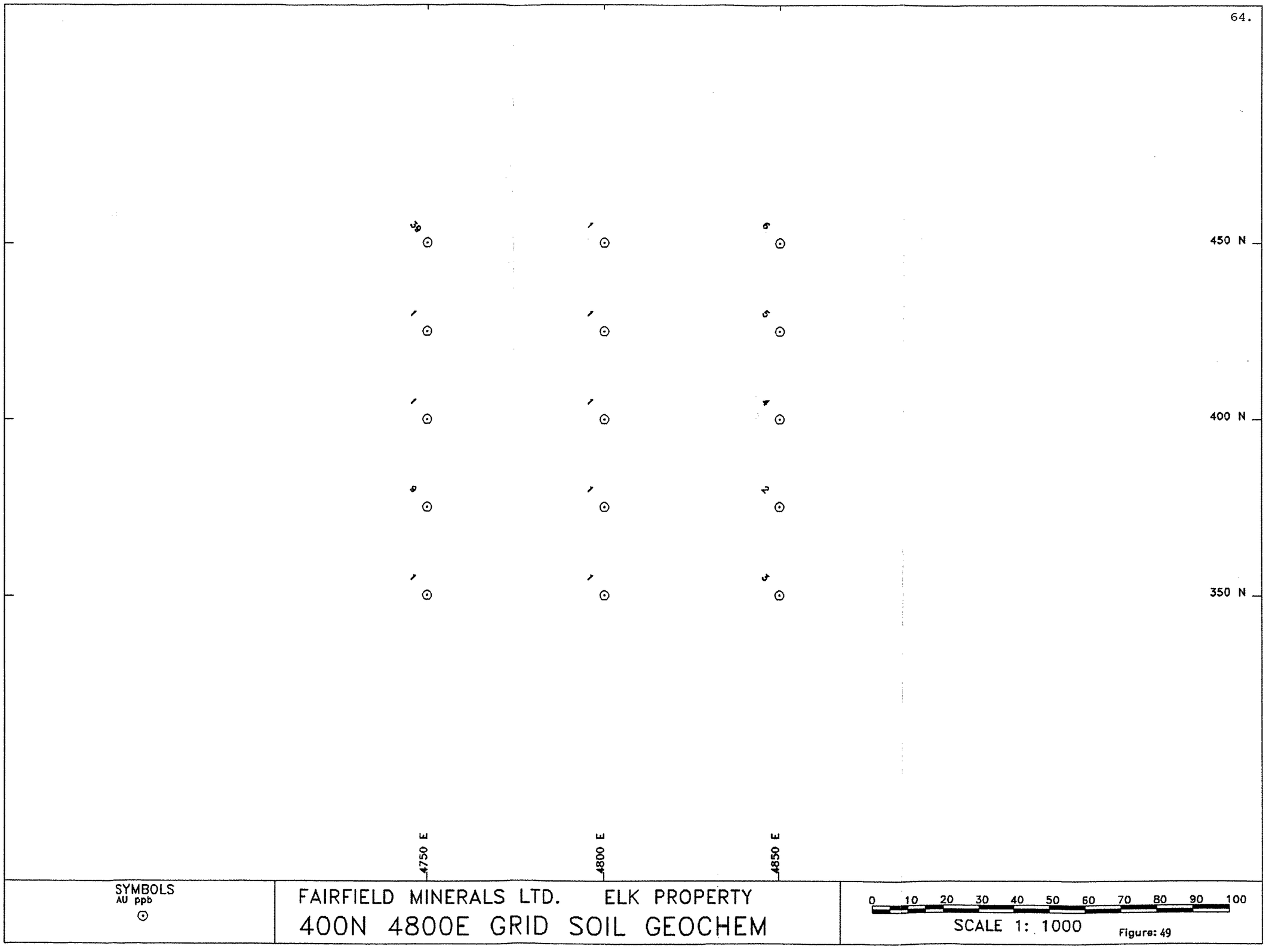
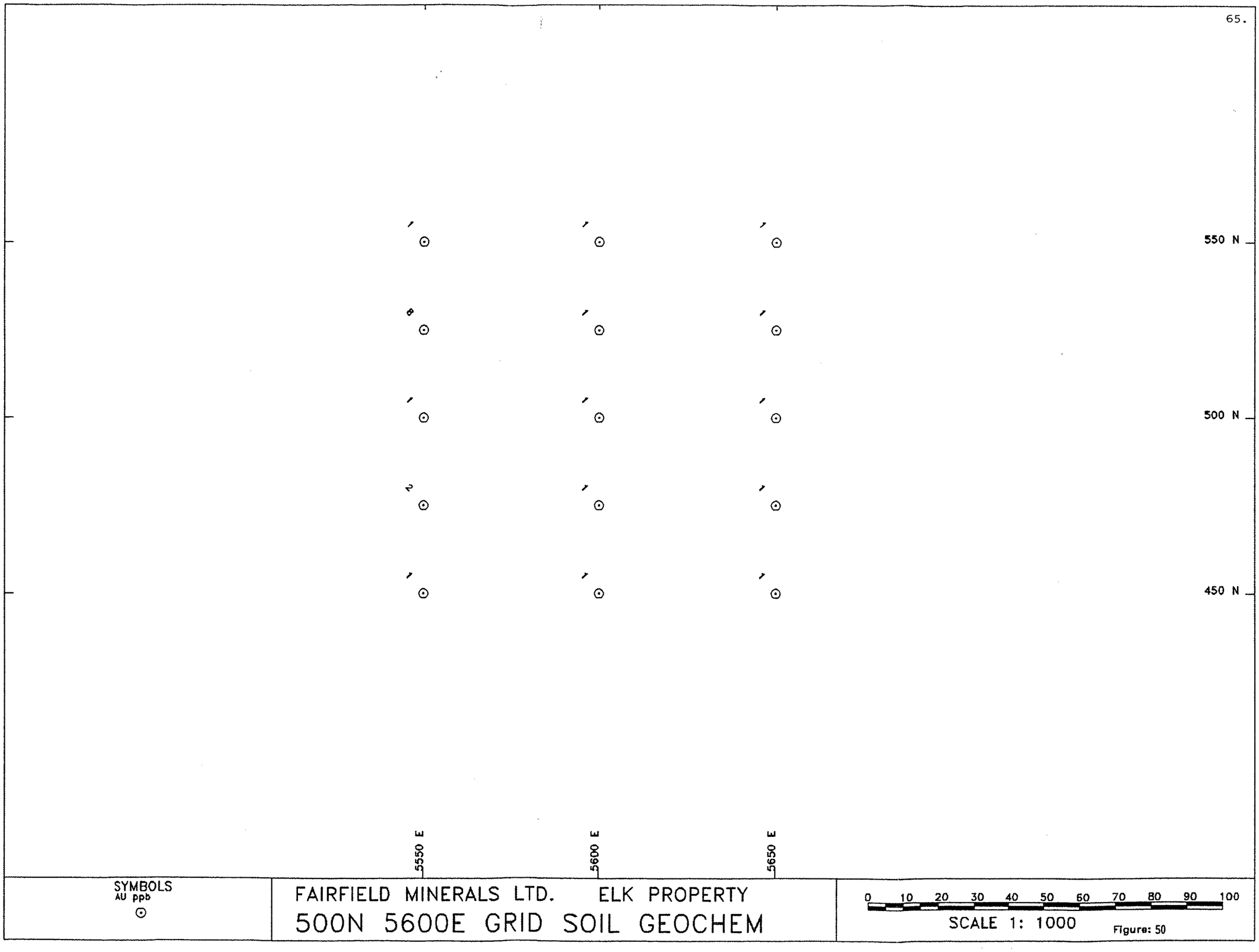

450 N
400 N
350 N
4750 E
4800 E
4850 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
400N 4800E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 49



SYMBOLS
AU ppb
⊙

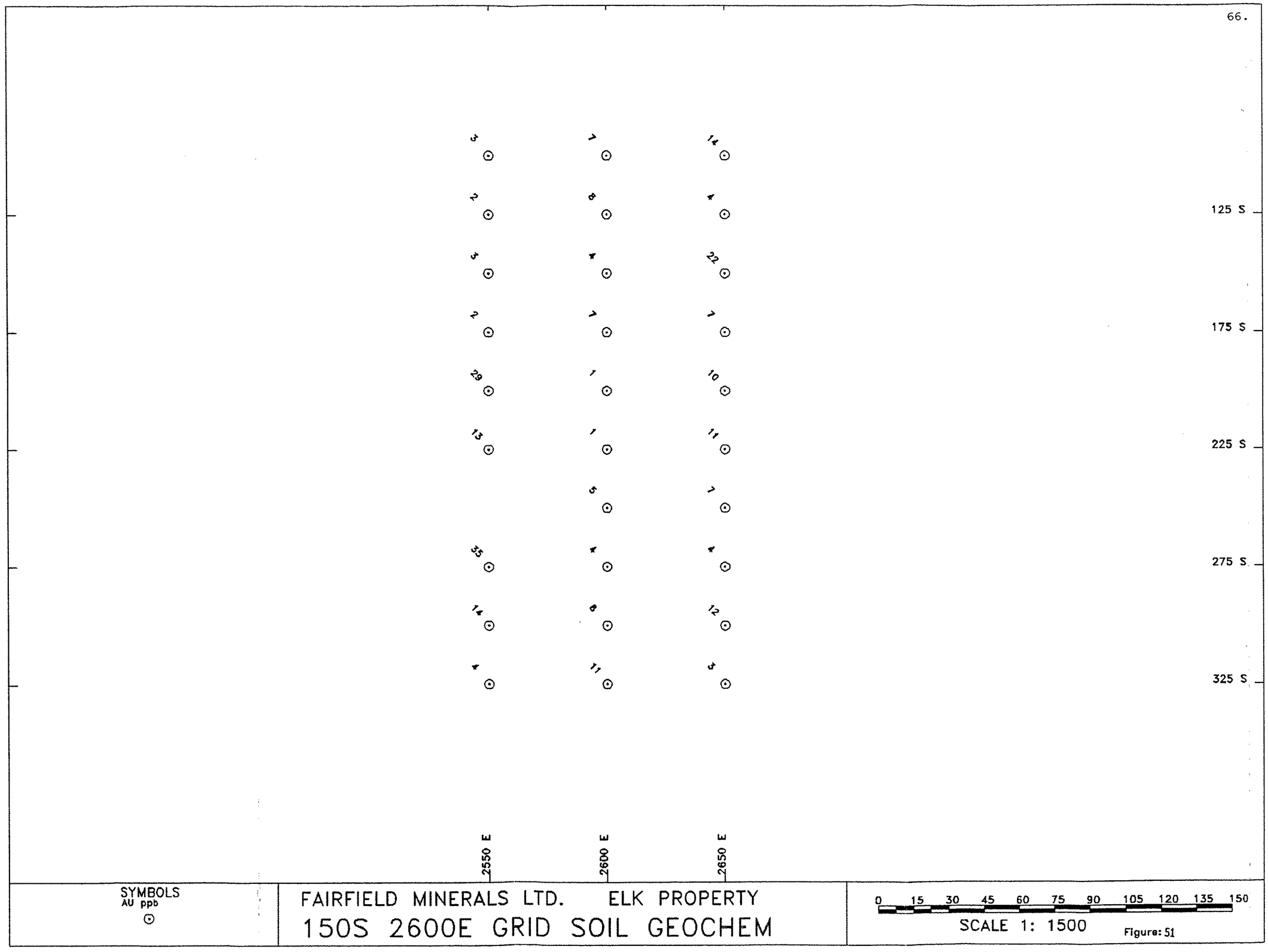
FAIRFIELD MINERALS LTD. ELK PROPERTY

500N 5600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 50


125 S
175 S
225 S
275 S
325 S
2550 E
2600 E
2650 E
3 2 3 2 29 13 35 14 4
7 6 4 1 1 1 5 1 6 11
14 4 22 1 10 11 7 4 12 5
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
150S 2600E GRID SOIL GEOCHEM
0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500
Figure: 51

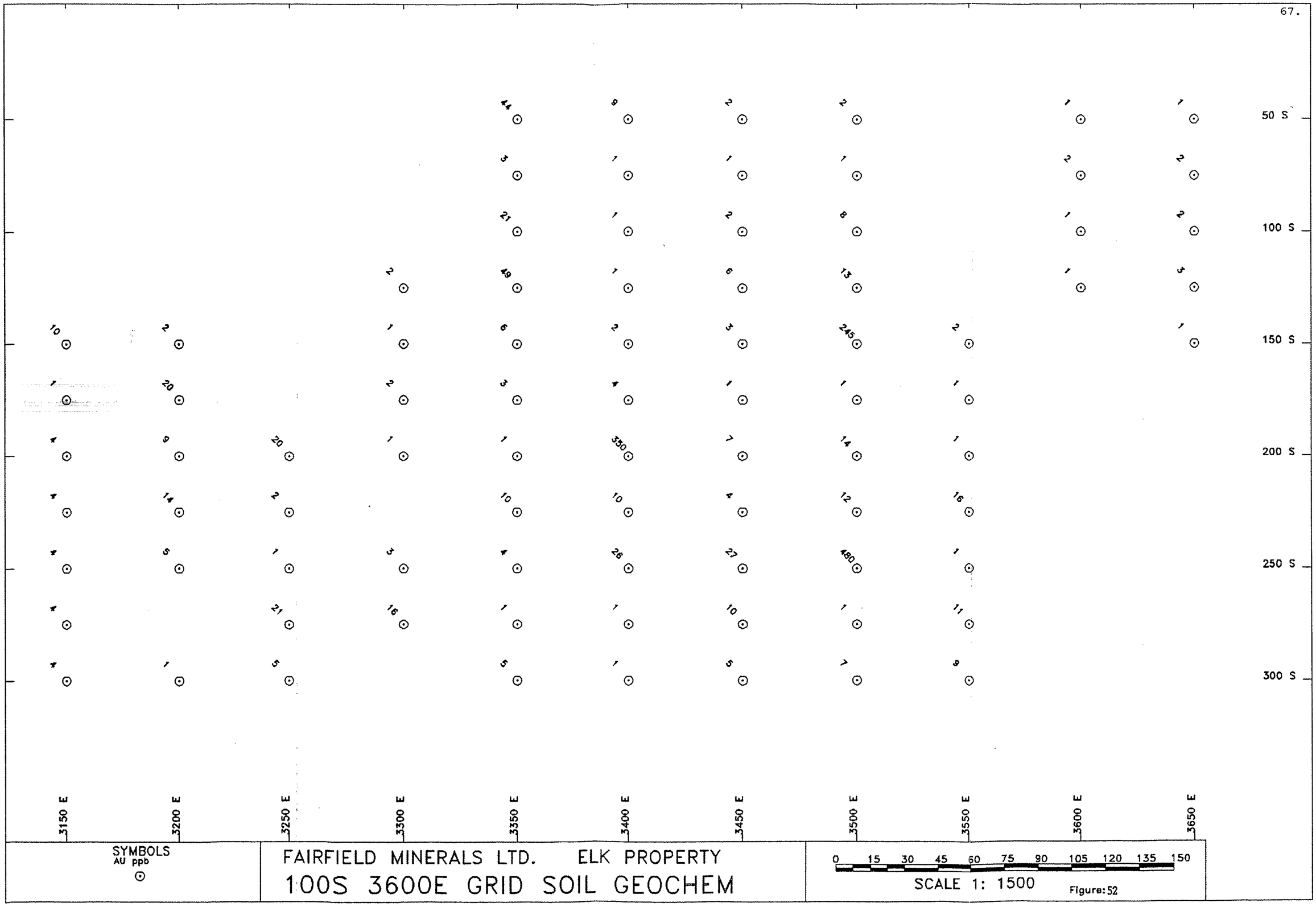

50 S
100 S
150 S
200 S
250 S
300 S
3150 E
3200 E
3250 E
3300 E
3350 E
3400 E
3450 E
3500 E
3550 E
3600 E
3650 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
100S 3600E GRID SOIL GEOCHEM
0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500

Figure: 52

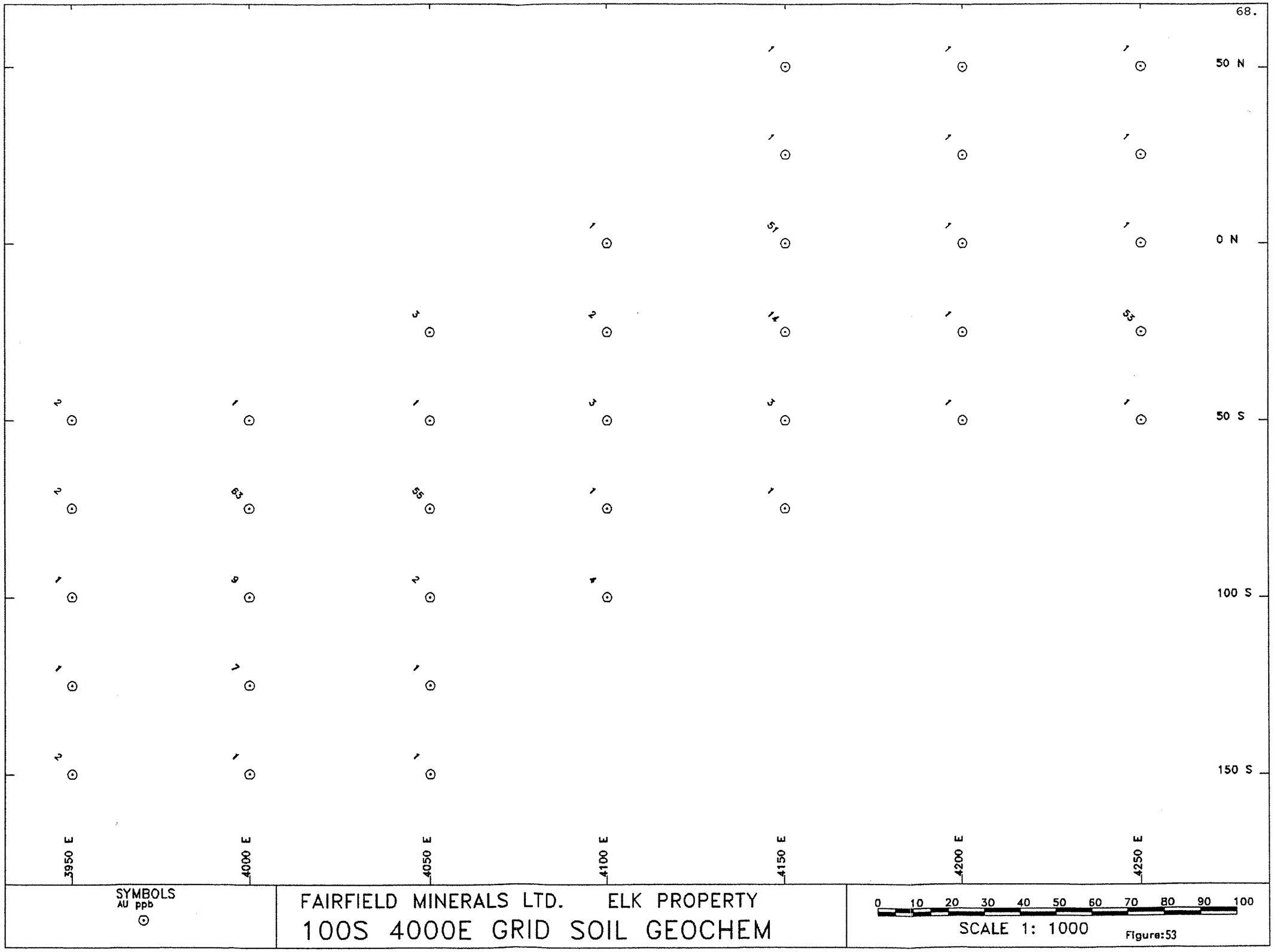
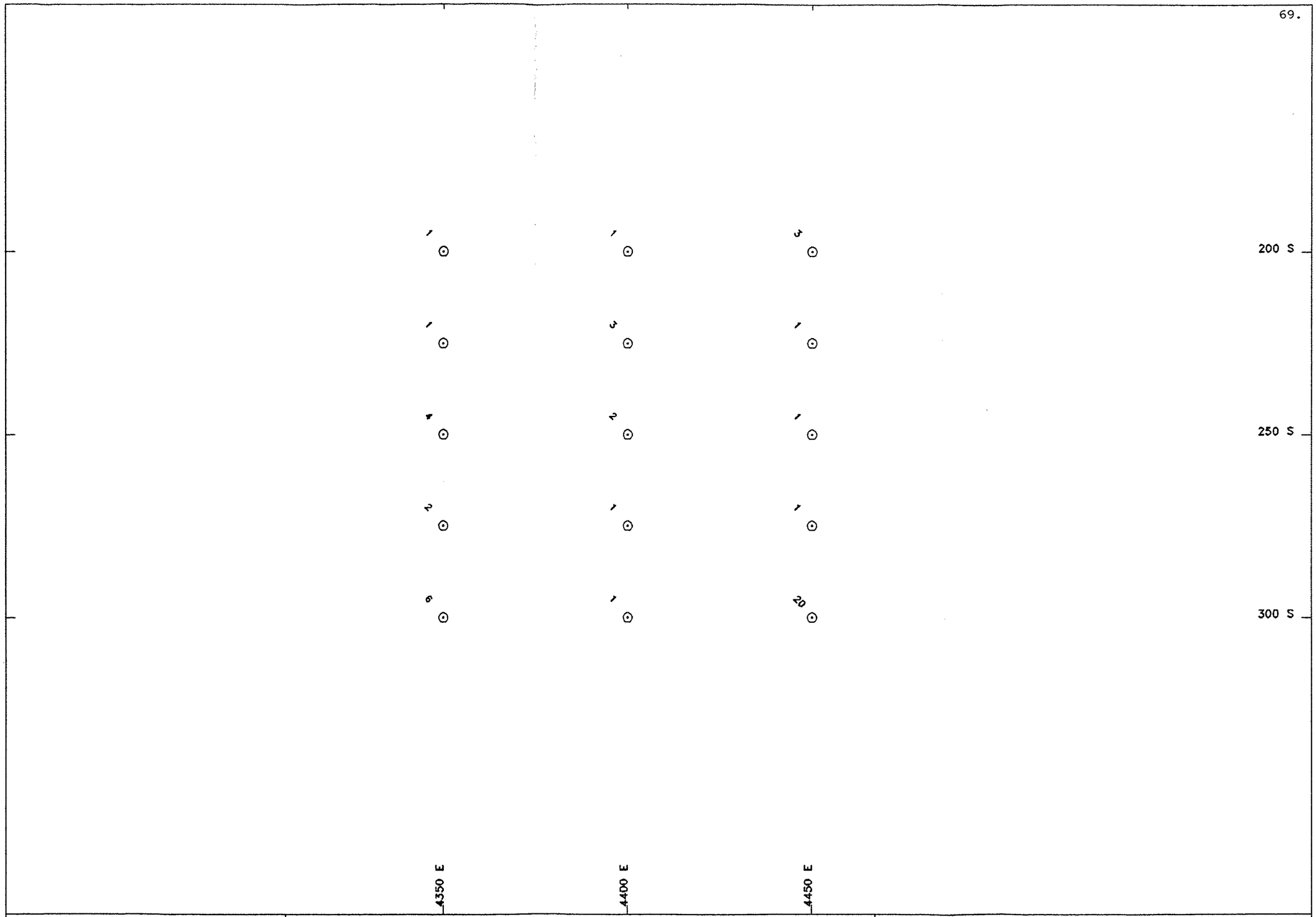

50 N
0 N
50 S
100 S
150 S
3950 E
4000 E
4050 E
4100 E
4150 E
4200 E
4250 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
100S 4000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure:53



SYMBOLS
AU ppb
⊙

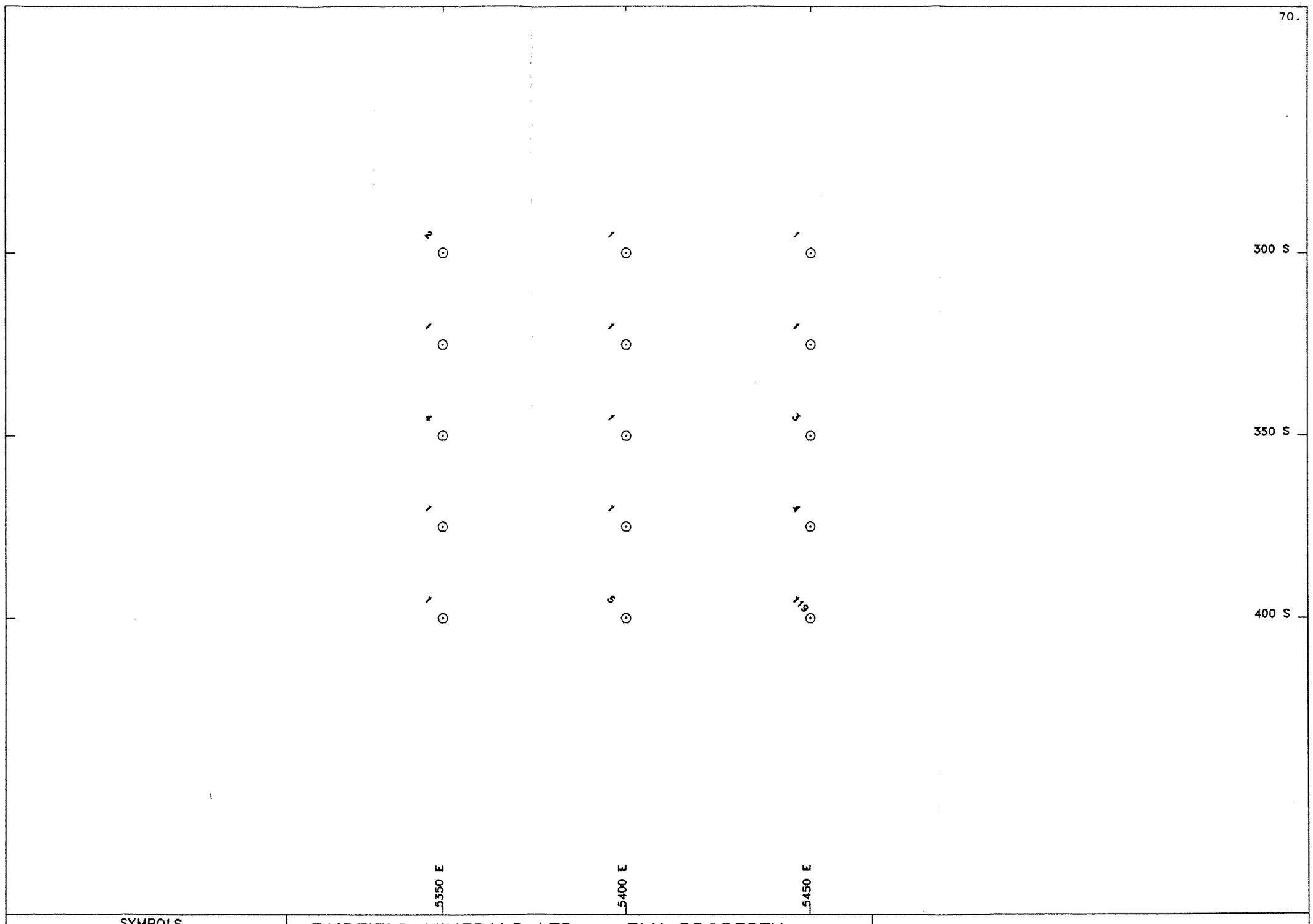
FAIRFIELD MINERALS LTD. ELK PROPERTY

250S 4400E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 54



SYMBOLS
AU ppb
⊙

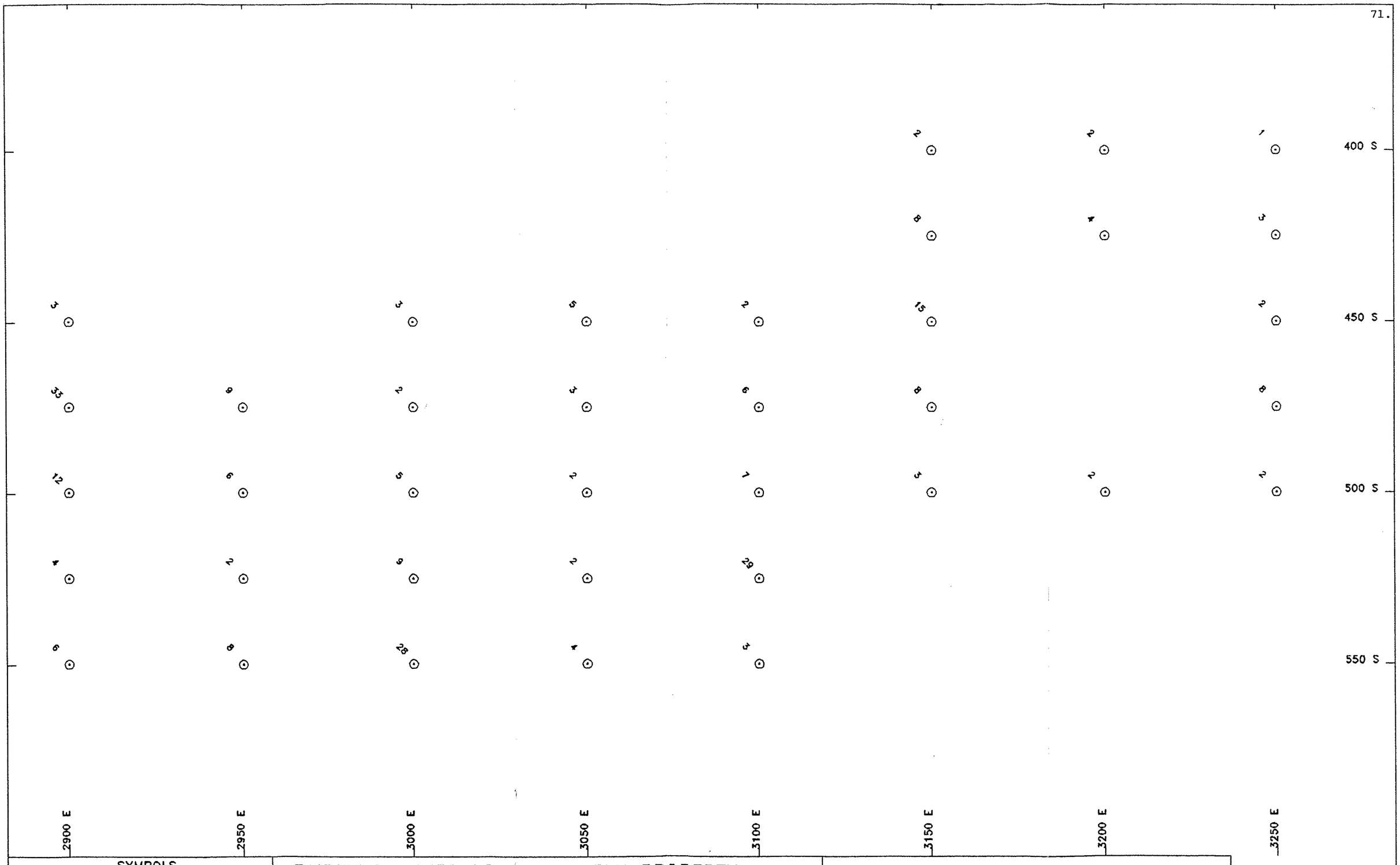
FAIRFIELD MINERALS LTD. ELK PROPERTY

350S 5400E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 55



SYMBOLS
AU ppb ⊙

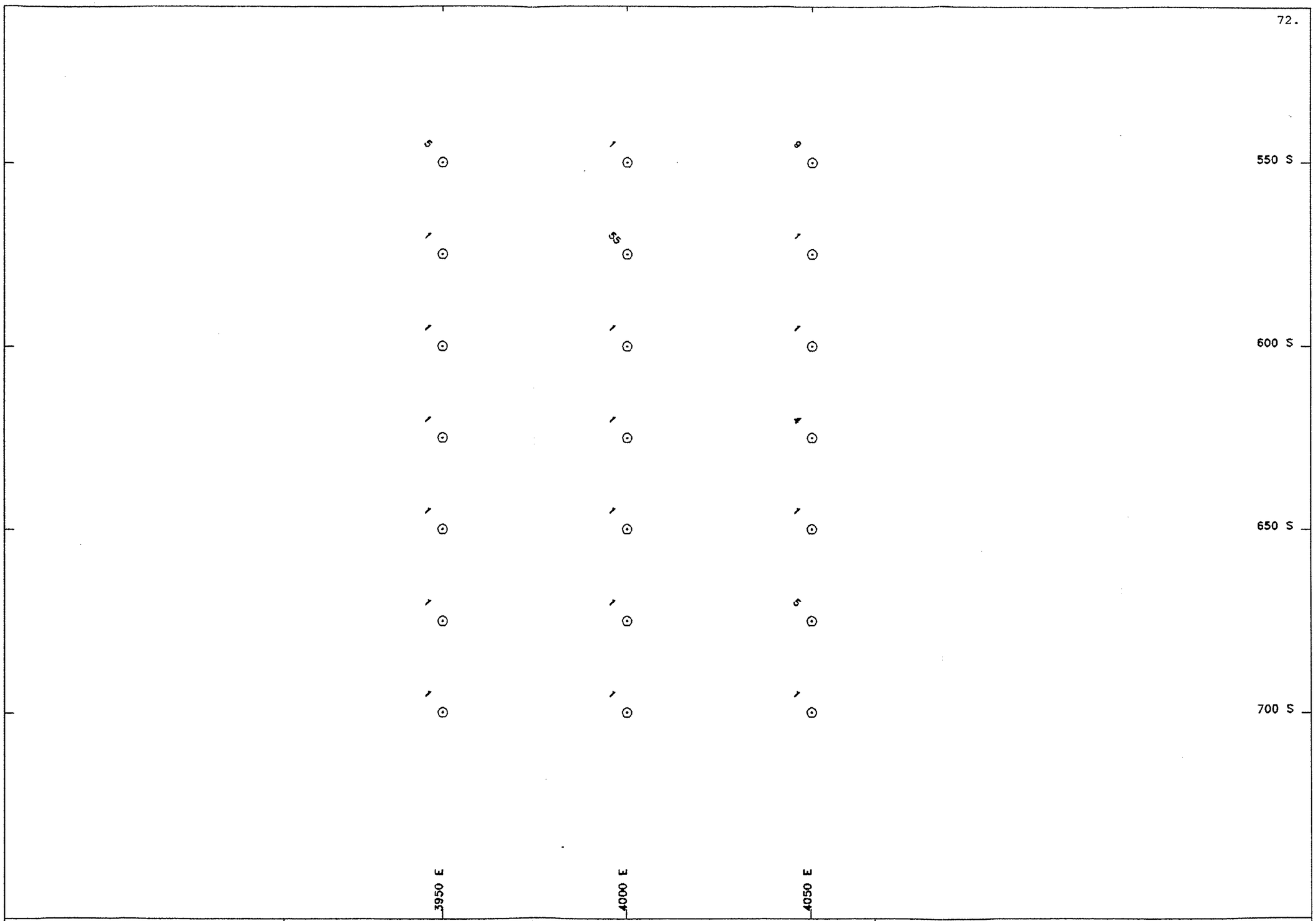
FAIRFIELD MINERALS LTD. ELK PROPERTY

500S 3050E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 56



SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY

600S 4000E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 57

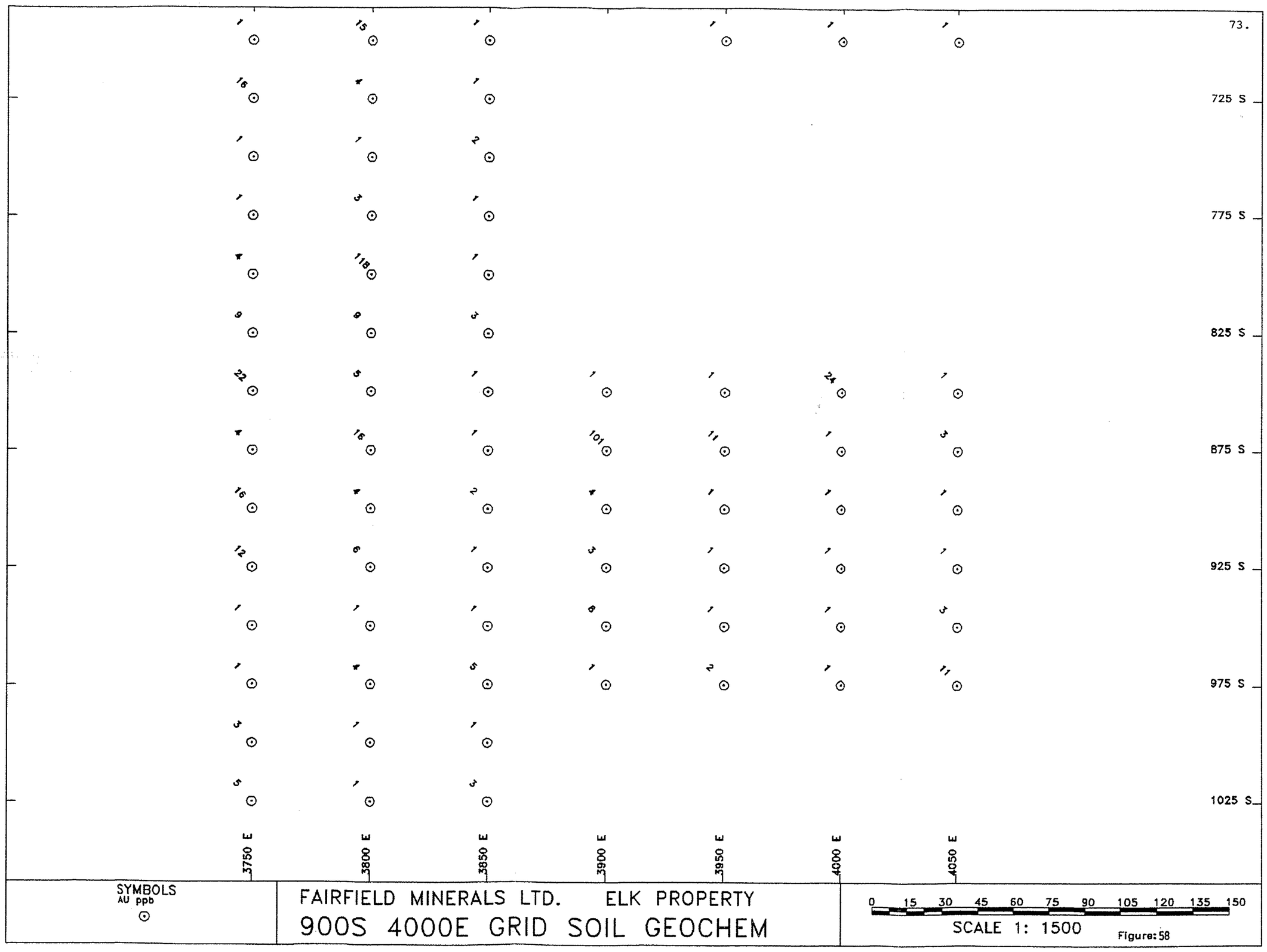

725 S
775 S
825 S
875 S
925 S
975 S
1025 S
3750 E
3800 E
3850 E
3900 E
3950 E
4000 E
4050 E
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
900S 4000E GRID SOIL GEOCHEM
0 15 30 45 60 75 90 105 120 135 150
SCALE 1: 1500

Figure: 58

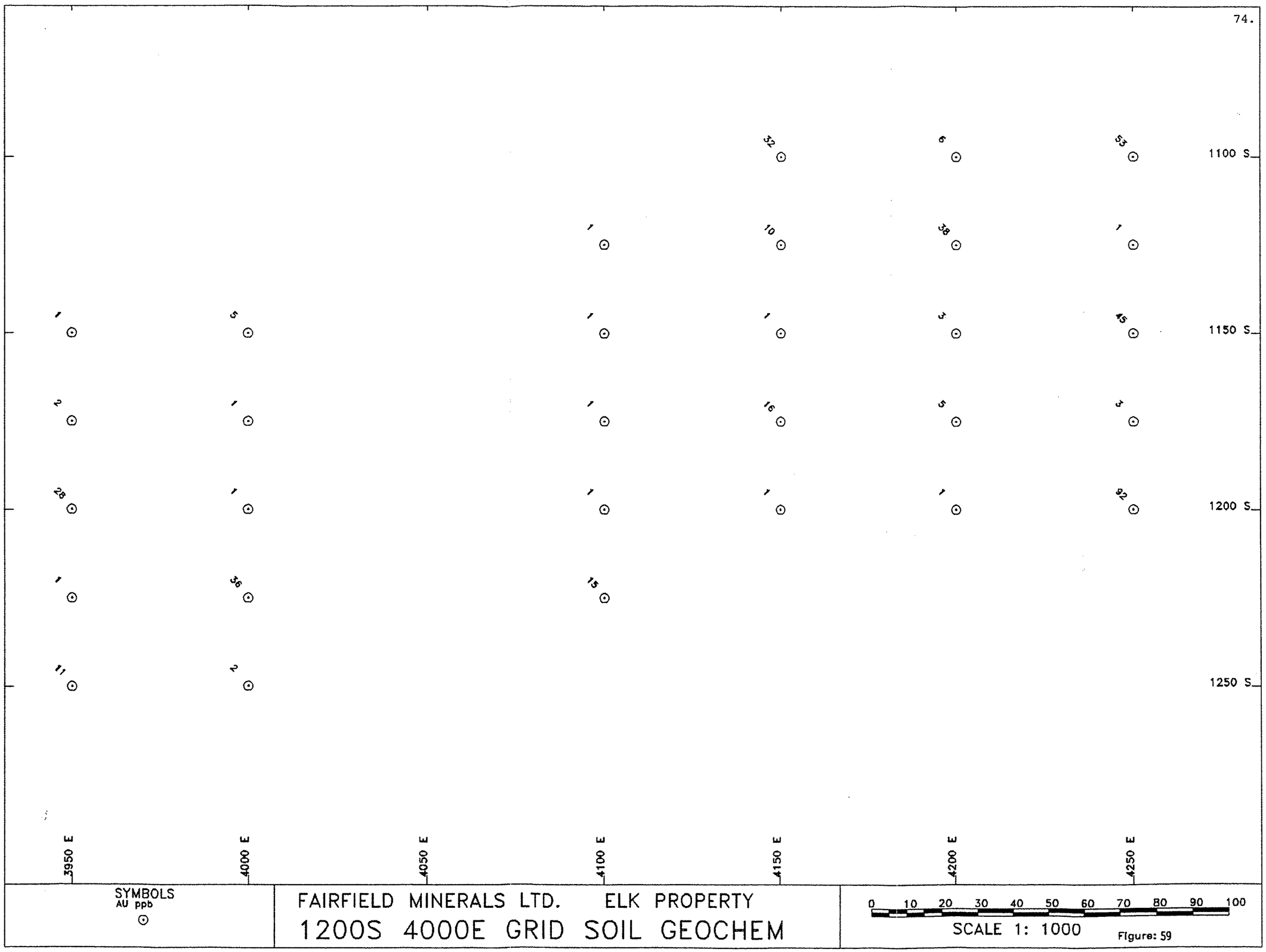
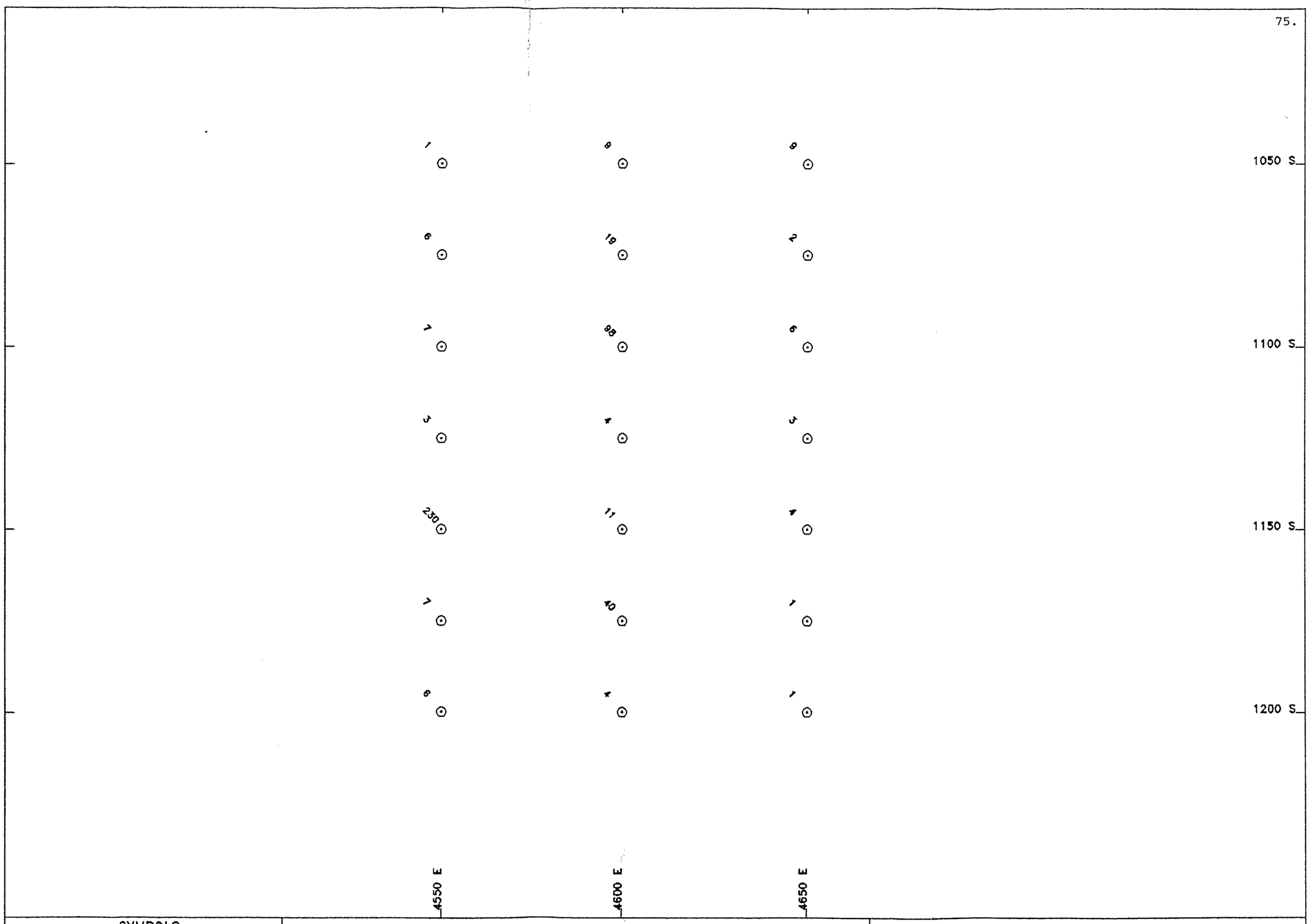

1100 S
1150 S
1200 S
1250 S
3950 E
4000 E
4050 E
4100 E
4150 E
4200 E
4250 E
1 5 1 32 6 53
1 1 10 38 1
1 1 1 3 45
2 1 1 16 5 3
28 1 1 1 1 92
1 36 15
11 2
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
1200S 4000E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 59



SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY

1100S 4600E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100

SCALE 1: 1000

Figure: 60

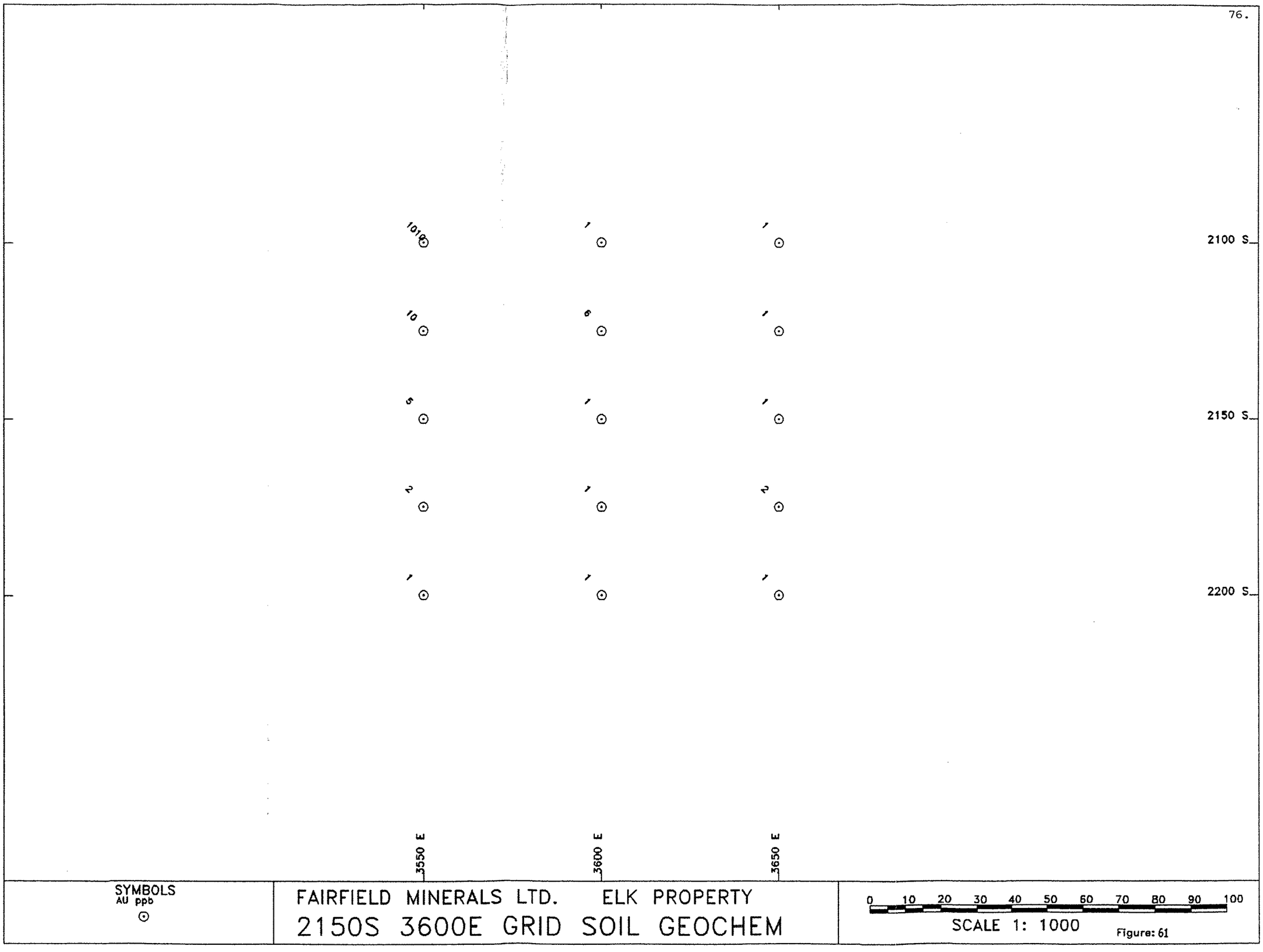
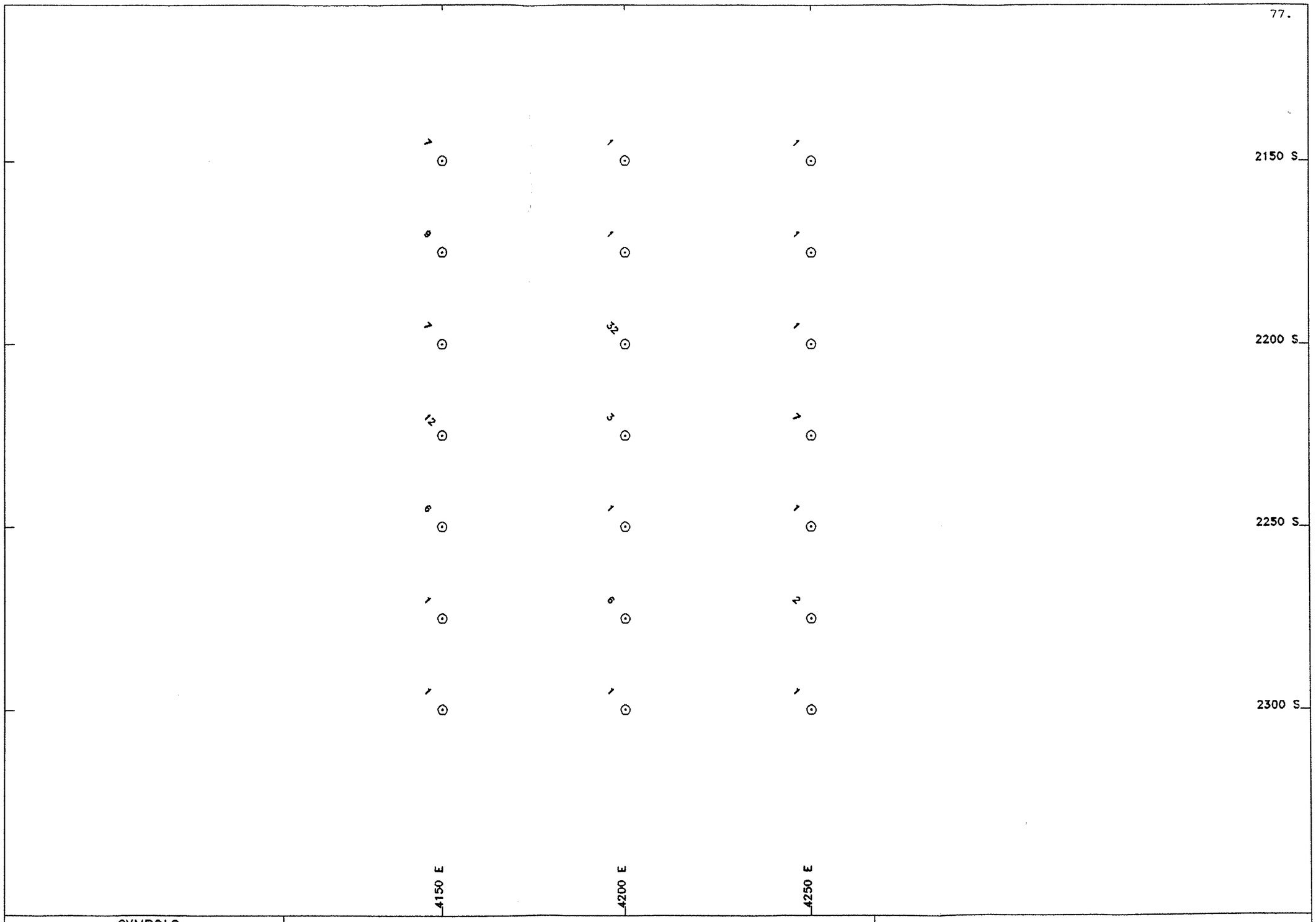

2100 S
2150 S
2200 S
3550 E
3600 E
3650 E
1010
1
1
10
6
1
5
1
1
2
1
2
1
1
SYMBOLS
AU ppb
FAIRFIELD MINERALS LTD. ELK PROPERTY
2150S 3600E GRID SOIL GEOCHEM
0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure: 61

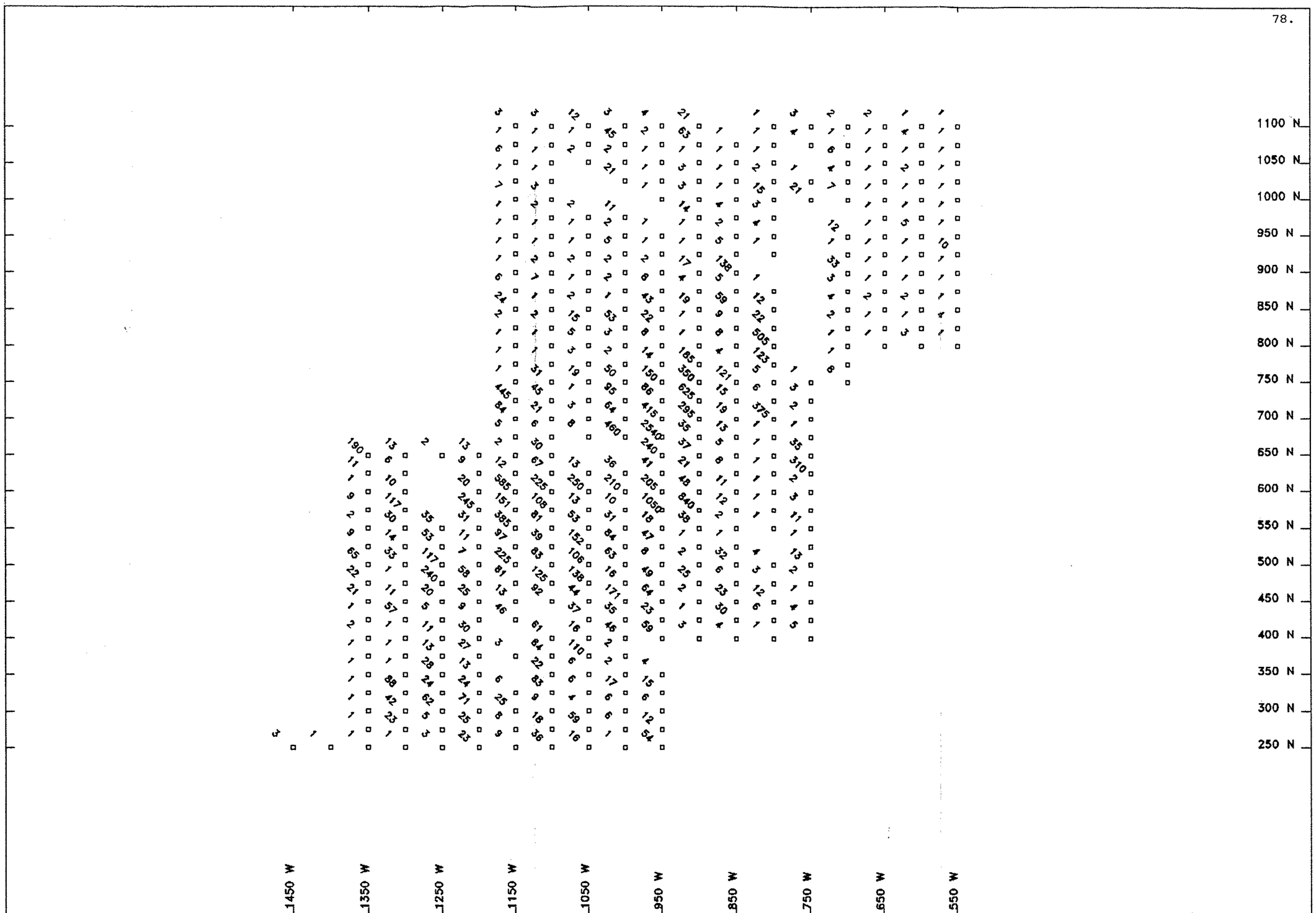


SYMBOLS
AU ppb
⊙

FAIRFIELD MINERALS LTD. ELK PROPERTY
2200S 4200E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000

Figure:62



SYMBOLS
AU ppb

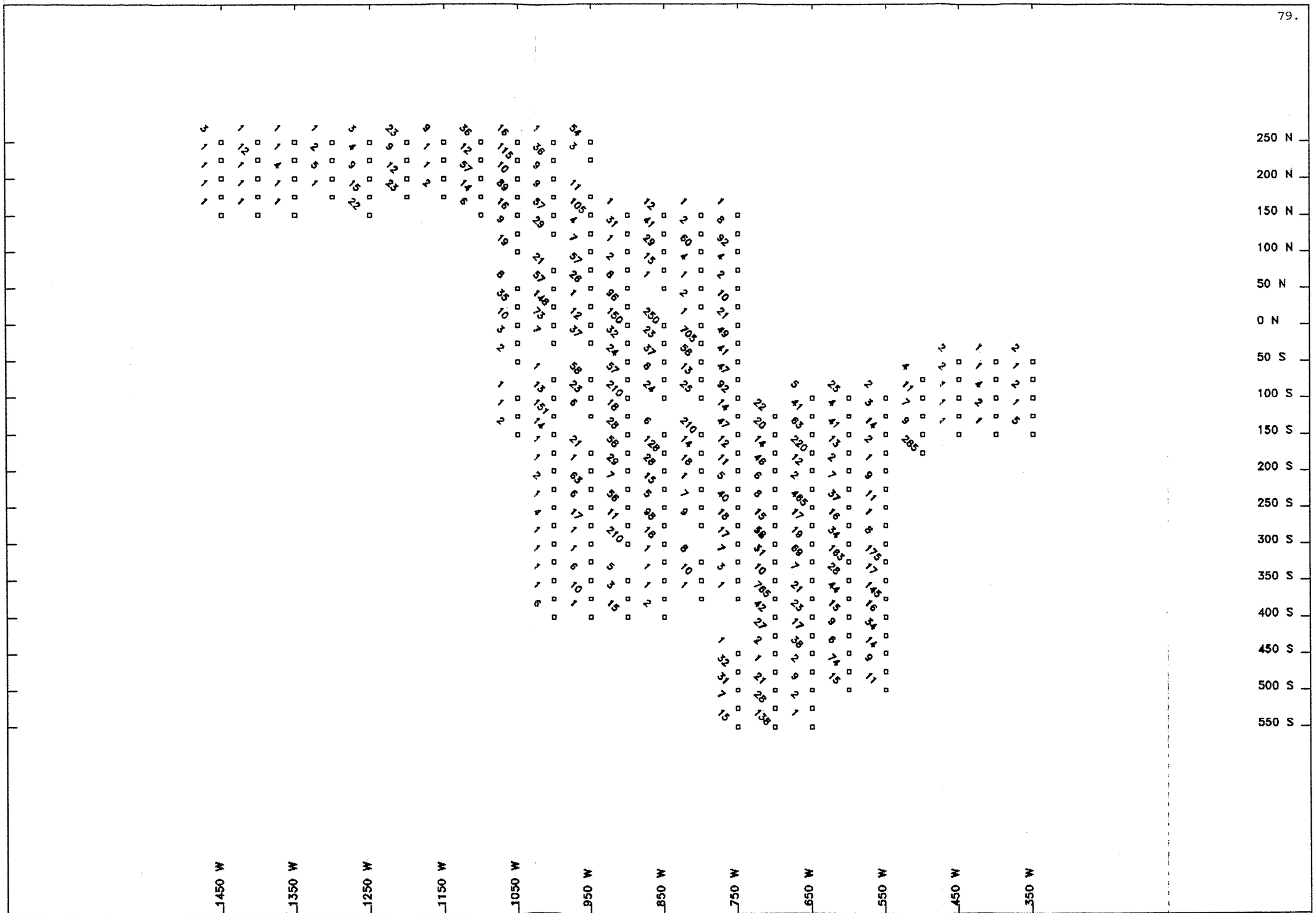
FAIRFIELD MINERALS LTD. ELK PROPERTY

ELUSIVE NORTH GRID SOIL GEOCHEM

0 50 100 150 200 250 300 350 400 450 500

SCALE 1: 5000

Figure: 63



SYMBOLS
AU ppb

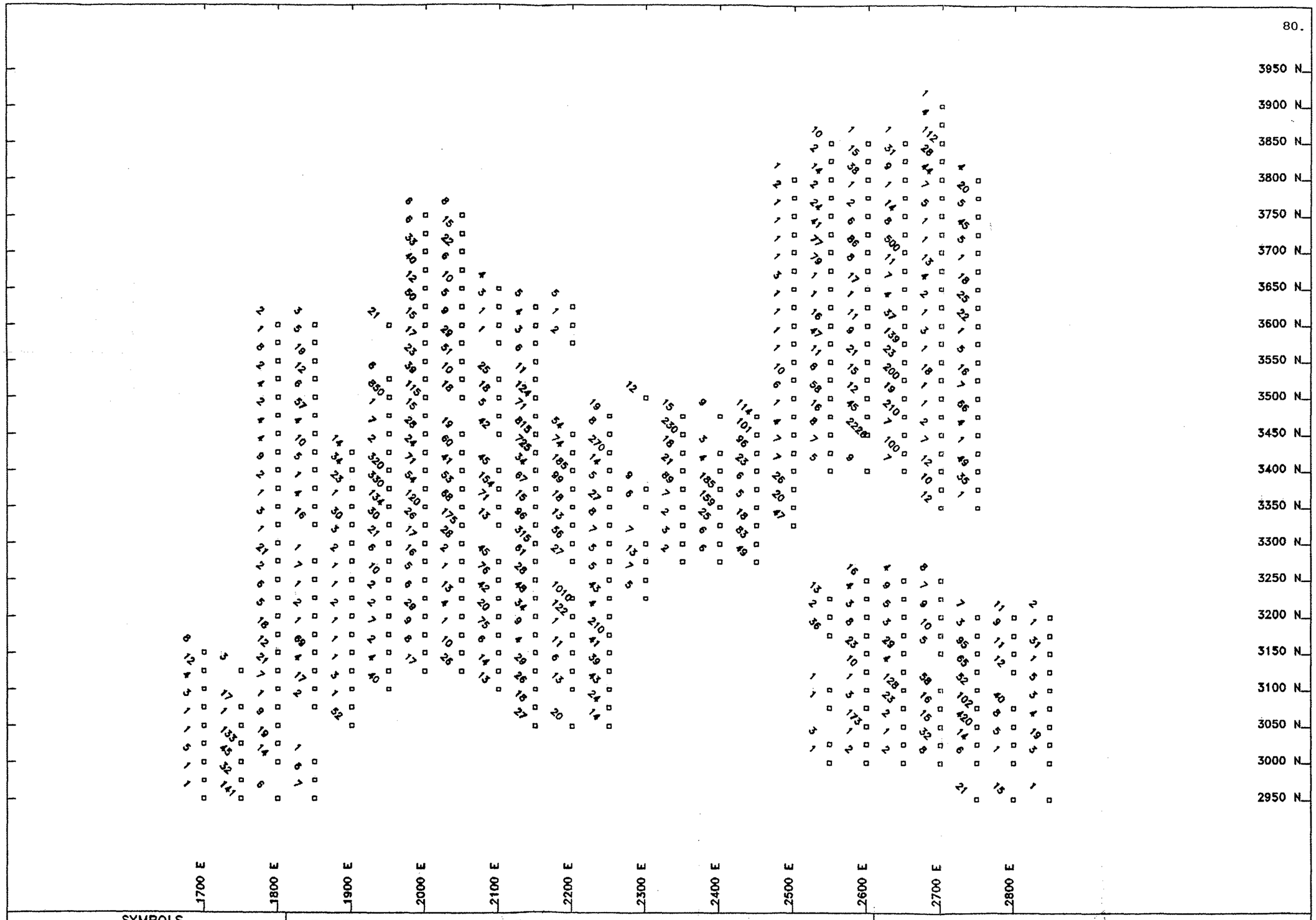
FAIRFIELD MINERALS LTD. ELK PROPERTY

ELUSIVE SOUTH GRID SOIL GEOCHEM

0 50 100 150 200 250 300 350 400 450 500

SCALE 1: 5000

Figure: 64



SYMBOLS
AU ppb

FAIRFIELD MINERALS LTD. ELK PROPERTY

SIWASH NORTH GRID SOIL GEOCHEM

0 50 100 150 200 250 300 350 400 450 500

SCALE 1: 5000

Figure: 65

7.0 GEOPHYSICS

An Induced Polarization and Resistivity survey, Vertical Field Magnetics survey and VLF-EM survey were carried out over the North and South showing areas by Pacific Geophysics Ltd. of Vancouver, B.C.

7.1 SOUTH SHOWING SUMMARY

(Plates 3 and 4)

An I.P. survey using 25 m dipole separation was carried out over the South Showing area resulting in the definition of zones with anomalous responses, some of which coincided with soil geochemical anomalies (Plate 3). Two coincident anomalies on line 2100E were tested by excavator trenching (Trench SS 87-1) and were found to be caused by quartz veining at the north location and by a small quartz vein accompanied by a slightly pyritiferous diatreme breccia in the south. The trend of the diatreme breccia, as exposed in trenches SS 87-2 and SS 87-3, fails to correspond with the anomalous I.P, response on line 1700E and 1800E. A weak I.P. response on line 1700E may reflect the projection of a pyritiferous diatreme breccia exposed in trench SS 87-3.

Trench SS 87-5 failed to explain the cause of the strong I.P. response on line 1300E.

Anomalous VLF-EM responses appear to reflect the location of strongly clay altered andesite dykes.

No apparent correlation was noted between the magnetic anomalies and geological features.

GEOPHYSICS (continued):

7.2 NORTH SHOWING SUMMARY

(Plate 4)

An I.P. survey was carried out at 25 metres spacings on line 1400E; A possible anomaly was recorded over the vein showing area and a probable anomaly was recorded to the north in an area with no rock exposure. The weak anomaly may reflect mineralization associated with the quartz vein.

A magnetic anomaly was recorded on lines 1350E, 1400E and 1450E over the North showing itself. The trend of the anomaly coincides with the quartz vein and the andesite dyke that it parallels.

Complete results, maps, conclusions and recommendations are included in the appended geophysical report.

***

8.0 EXCAVATOR TRENCHING

8.1 INTRODUCTION

An Hitachi UH045 excavator was used to trench the North and South showing areas and to build and upgrade roads. A Quincy 160 air compressor was used to clean the rock surface of the bottom of the trenches and a Honda pump was used to dewater flooded sections. Trenching was occasionally restricted by overburden depths greater than 5 metres. Table 3 summarizes trench statistics and plates 5 to 13 illustrate geological and sample data for each trench. A complete list of assay and analysis results with rock descriptions can be found in Appendix "B".

Rock samples were collected systematically from all trenches and soil profile samples were collected from South showing area trenches. Rock samples were generally taken over 1 metre intervals and soil profile samples were taken at 50 cm intervals from the top of the trench wall to the base. All trenches, except for a 20 m section in trench SS 87-2, were backfilled and seeded at the end of the field season.

Table 3 **TRENCH SUMMARY**

TRENCH NO	LENGTH	WIDTH IN METRES TOP	WIDTH IN METRES BOTTOM	AVERAGE DEPTH	ESTIMATED VOLUME (m3)	NUMBER OF SAMPLES SOIL	NUMBER OF SAMPLES ROCK	NUMBER OF SAMPLES ASSAYS
NS 87-1	85	3-20m	2-20m	1.0	720		75	75
NS 87-2	81	4	1.5	1.5	360		23	23
NS 87-3	87	3	1.5	2.0	390		28	17
NS 87-4	116	3	1.5	3	732		33	33
NS 87-5	184	3	1.5	1.5	620		24	2
SS 87-1	243	2.5	1.5	2	970	59	130	13
SS 87-2	240	3	1.5	2	1080	130	146	10
SS 87-3	246	3	1.5	2	1100	110	161	4
SS 87-4	214	3	1.5	2	960	65	85	3
SS 87-5	32	3	1.5	2	140	0	5	0
	1528				7120	364	710	185

EXCAVATOR TRENCHING (continued):

8.2 SOUTH SHOWING AREA

TRENCH SS 87-1 (Plates 5 and 6) was dug to expose the source of gold mineralized float discovered in 1986 and to test two coincident I.P. and soil geochemical anomalies. The source of the mineralized float was exposed as two small, granite-hosted, quartz veins up to 7 cm thick trending approximately N 90 degrees E. The quartz veins graded up to 0.485 oz/t Au, 0.19 oz/t Ag over 0.45 metres (sample SS 23R). In the west leg of this trench system a zone of silicified and moderately phyllic altered granite with no visible quartz veining returned values of 0.271 oz/t Au and 0.41 oz/t Ag over 0.60 metres (sample SS -002R). Samples taken on either side produced no significant values. A sample (SS 045R), located in the north leg of this trench, of moderately altered granite with minor disseminated pyrite returned a value of 0.065 oz/t Au, 0.02 oz/t Ag over 0.6 metres. This sample also had no visible quartz veining. Abundant mineralized quartz float and a characteristic orange-yellow iron sulphate(?) stain in the overburden occurs in this area of coincident I.P. and soil geochemical anomalies.

A number of andesite dykes, some with brown phlogopite alteration, occur in the southern section of this trench. The largest of these dykes, and a diatreme breccia, occur in the second area of coincident anomalous soil geochemistry and weak I.P. response. Sampling of these two features yielded a weak gold value (345 ppb) in the diatreme breccia.

TRENCH SS 87-2 (Plate 7) was excavated to expose the source of anomalous soil geochemical results and I.P. response. Granite, cut by moderately altered andesite dykes and diatreme breccia were exposed. The diatreme breccia and the adjacent granite to the south showed strong argillic alteration with locally disseminated pyrite. Three samples (SS 261R, SS 069R, SS 070R) taken across the altered zone averaged 0.182 oz/t Au, 0.167 oz/t Ag over 3.3 metres. A patch of blue and orange clay alteration was noted in the area of sample SS 069R. Samples of blue-orange, clay altered andesite approximately 30 metres to the south failed to produce significant results. The characteristic orange-yellow iron sulphate(?) stained overburden associated with strong soil geochemical responses was noted at about grid coordinate 380N with the source being a 4 cm thick quartz vein which returned a value of 0.055 oz/t Au, 0.52 oz/t Ag over 0.3 metres. A 30 cm wide zone of strongly altered granite containing two, blue clay patches trending parallel to the trench was noted at 320N. No significant values resulted from sampling of this feature.

EXCAVATOR TRENCHING (continued):

TRENCH SS 87-3 (Plate 8) was situated to expose the source of anomalous soil geochemical and I.P. responses. The trench exposed granite cut by a number of andesite dykes and two diatreme breccias. A 45 metre wide zone of moderate to strong alteration in the granite starts at grid coordinate 335N and extends to the north. Patches containing <1% to 5% disseminated pyrite occur within this zone but samples generally returned low gold values. A blue clay altered andesite dyke and a brown clay, phlogopite altered andesite dyke also occur within this zone. A 3.5 metre wide diatreme breccia was noted at 315N containing silicified basalt clasts with up to 2% pyrite. Samples taken across this feature failed to return significant gold-silver values. The granite at the north of this breccia is argillically altered and has yellow-orange staining. A sample (SS 277R) taken across this feature returned a value of 0.069 oz/t Au, 0.016 oz/t Ag over 1.0 metre. Three 1 cm wide quartz veins were noted, and one at grid coordinate 371N returned a value of 0.552 oz/t Au, 0.02 oz/t Ag over 0.3 metres. The anomalous soil geochemical response appears to be a result of mineralization in the quartz veins and the altered granite adjacent to the diatreme breccia. The probably anomalous I.P. response on line 1700E appears to correspond to a combination of the large altered zone between grid coordinates 335N and 370N and the diatreme breccia at 315N. An attempt to trench into the main body of the soil geochemical anomaly to the south was abandoned due to excessive depth of overburden. Three test pits dug to test the overburden depth revealed depths greater than 5 metres.

TRENCH SS 87-4 (Plate 4) was dug to expose the sources of the anomalous I.P. response on line 1400E and anomalous soil geochemical results on lines 1450E and 1500E. Locally altered granite and andesite dykes were exposed in this trench. Two closely-spaced quartz veins, 1.5 cm and 2.0 cm thick, at 380N were sampled and returned values of 0.604 oz/t Au, 0.67 oz/t Ag over 0.5 metres. These are most probably the source of the 165 ppb Au soil geochemical anomaly on line 1450E. An altered zone in the granite containing a pyritiferous blue clay patch was noted between grid coordinates 294N and 311N. A possible, 2 metre thick, altered diatreme breccia occurs at 300N containing pyritiferous siliceous clasts. Samples of this feature returned values of 0.024 oz/t Au, 0.38 oz/t Ag over 1.0 metres and 0.049 oz/t Au, 0.08 oz/t Ag over 1.0 metres. The sample immediately to the south of the possible diatreme breccia returned a value of 0.152 oz/t Au, 0.15 oz/t Ag over 1.0 metres. The breccia occurs along the projection from those in trenches to the east. The anomalous I.P. response on line 1500E occurs to the south of the breccia exposed in the trench but it may reflect a more pyritiferous zone in the breccia down dip. The anomalous soil geochemical response probably reflects the mineralization found in the trench, as sampling to the south failed to produce significant results.

TRENCH SS 87-5 (Plate 10) was excavated to test the source of the anomalous I.P. response on line 1300E. Trenching exposed granite with local patches of weak alteration. Sampling produced no significant results. The source of this I.P. response remains unexplained.

EXCAVATOR TRENCHING (continued):

8.3 NORTH SHOWING AREA

TRENCH NS 87-1 (Plate 11) was dug to expose the source of mineralized quartz float discovered in 1986. Trenching revealed a cataclastically disturbed, discontinuous, medium grey, quartz vein varying in width from 15 cm to 80 cm. The quartz vein contains up to 20% disseminated pyrite with minor chalcopyrite and galena. Chip sampling across the vein returned results of up to 1.32 oz/t Au, 5.73 oz/t Ag over a width of 27 cm and 0.254 oz/t Au, 1.28 oz/t Ag over a width of 1.10 metres. The vein cuts an andesite dyke which in turn cuts a feldspar porphyry stock. Multiple orientations of faulting and deformation have resulted in very irregular contact relationships between the feldspar porphyry, andesite and granite. The intense structural activity appears to be restricted to a zone approximately 5-10 metres wide trending between 50 and 60 degrees. An iron-stained, clay altered zone occurs in the granite 3 to 6 metres south of the quartz vein trending parallel to the main structural feature. Sampling outside the quartz vein yielded no significant gold values.

TRENCH NS 87-2 (Plate 12), situated 55 metres to the west of NS 87-1, intercepted the projected western extension of the vein. It was not intersected. A calcareous andesite dyke, in fault contact with granite on the north and feldspar porphyry on the south, was found at the projected location of the quartz vein. Sampling across the dyke and surrounding rocks produced insignificant results. A phlogopite-bearing, brown, clay altered andesite or feldspar porphyry body is exposed in the southern 25 metres of the trench and contains patches up to 6 metres long of blue and orange clay. No significant results were returned from samples taken of the coloured clays.

TRENCH NS 87-3 (Plate 12) was excavated 45 metres to the west of trench NS 87-2 to expose the projected location of the quartz vein found in trench NS 87-1. The quartz vein reappears along the projected trend in this trench having a width of 30 cm and grading 0.091 oz/t Au, 1.01 oz/t Ag over 40 cm (sample NS 128R). A moderately altered, granitic, diatreme breccia was exposed at the north end of the trench, containing rounded granite and basalt clasts in a white clay altered matrix. Sample NS 131R taken in the breccia returned a result of 0.018 oz/t Au and 0.03 oz/t Ag over 1.0 metres. Granite underlays the remainder of the trench except for the northern 12 metres which exposed a feldspar porphyry stock.

TRENCH NS 87-4 (Plate 13) was dug 70 metres to the west of trench NS 87-3 to expose the projected location of the main quartz vein and to test the source of a 95 ppb Au soil anomaly. Quartz veins, cutting granite, 3 to 6 cm thick, containing 3 to 5% pyrite with minor chalcopyrite and galena, were exposed at the south end of the trench and returned values of 0.129 oz/t Au, 0.78 oz/t Ag over 25 cm (sample NS 101R) and 0.053 oz/t Au, 0.88 oz/t Ag over 0.4 metres (sample NS 99R). The remainder of the trench exposed

EXCAVATOR TRENCHING (continued):

alternating granite and feldspar porphyry, probably fault repeated. The overburden depth at the north end of the trench exceeded 5.0 metres, the maximum reach of the excavator. The quartz vein exposed in trenches NS 87-1, NS 87-5 and NS 87-3 was not found in its projected location.

TRENCH NS 87-5 (Plate 11) was dug 35 metres to the east of trench NS 87-1 to expose the projected location of the quartz vein, and to test the source of a 135 ppb Au soil anomaly. A 25 cm wide quartz vein was exposed at the projected location and returned a value of 0.328 oz/t Au, 0.71 oz/t Ag over 50 cm. The vein cuts granite 50 cm to the south of a granite-andesite contact. Andesite and/or sparse feldspar porphyry were exposed over 34 metres to the north of the vein. The next 48 metres of the trench did not reach bedrock due to the steepness of the slope and excessive depth of overburden. Granite and feldspar porphyry were exposed in the northern 35 metres of the trench.

***

9.0 ROAD CONSTRUCTION

A total of 1.05 kilometres of road was constructed and 350 metres of road was upgraded to provide access to trench targets. Roads are 3.5 metres wide and were built through forest using an Hitachi UH045 excavator. All road work was done on the Elk 1 and Elk 2 claims. The work required 14 days to complete.

***

10.0 STATEMENT OF COSTS

WAGES:				
Field:	Geologist/ Supervisor	149 d x $108/d x $1.12*	$18,023.40	
	Cook	92 d x 80/d x 1.12	8,243.20	
	Sampler	30 d x 68/d x 1.12	2,284.80	
	Sampler	30 d x 56/d x 1.12	1,881.60	
	Sampler	71 d x 56/d x 1.12	4,453.12	
	Sampler	59 d x 48/d x 1.12	3,171.84	
	Sampler	7 d x 52/d x 1.12	407.68	
	Sampler	48 d x 72/d x 1.12	3,870.72	
	Sampler	40 d x 80/d x 1.12	3,584.00	
	Sampler	66 d x 72/d x 1.12	5,322.24	
	Cook/sampler	64 d x 92/d x 1.12	6,594.56	
Office:	(Report preparation)			
	Geologist	93 d x 108/d x 1.12	11,249.28	$ 69,086.44

*Benefits factor

GEOLOGICAL SERVICES AND FEES:			
Cordilleran Engineering Ltd.	.....		91,233.80
TRANSPORTATION:	Truck rental	4,218.80	
	Fuel	1,584.40	5,803.20
CAMP SUPPORT:	Groceries	14,356.13	
	Propane	720.69	
	Camp Equipment Rental	15,000.00	
	Radio Telephone	4,044.29	
	Personnel Travel	232.60	
	Hardware and field gear	20,299.17	54,652.88
TRENCHING:			
Excavator Mobilization	.....	330.00	
Excavator	546 hrs (Aug.20 - Oct.25)	28,525.50	
Operator	546 hrs (Aug.20 - Oct.25)	4,906.84	
Compressor Rental	2 mos....(Aug.20 - Oct.25)	1,908.00	
Slashing	5 man days	1,000.00	
Seed for reclamation	.....	224.80	
D7 Tractor & Operator	Mob + 70 hr x $80/hr	6,100.00	42,995.14
GEOPHYSICAL SURVEYS:	I.P., Magnetometer & VLF-EM		9,459.03
ASSAYS:			
Ag, Au	168 samples x $11.25/sample	1,890.00	
Ag	8 samples x 8.25/sample	66.00	
Au	26 samples x 8.25/sample	214.50	2,170.50
		Balance forward	$275,400.99

STATEMENT OF COSTS (continued):

			Balance forward	$275,400.99
GEOCHEMICAL ANALYSIS:				
Rocks:	Au 10 gm	54 samples x $ 5.25/sample	229.50	
	Au 10 gm	7 samples x 2.25/sample	15.75	
	Au 20 gm	792 samples x 5.25/sample	4,158.00	
	ICP	241 samples x 6.00/sample	1,446.00	
			5,849.25	
Soils:	Au & prep	3732 coarse grid x $5.00/sample..	18,660.00	
		4328 detailed " x 5.00/sample..	21,640.00	
		364 trench x 5.00/sample..	1,820.00	
		38 prospecting x 5.00/sample..	190.00	
			42,310.00	
Sample preparation		929 rocks x 3.00/sample..	2,787.00	50,946.25
FREIGHT:		.....		1,300.00
LINECUTTING:		43.5 Km		14,835.00
MAPPING COSTS:		Airphoto preparation and petrographic analysis.		1,263.52
			TOTAL EXPENDITURES	**$343,745.76**

W. Jakubanski

***

11.0 LIST OF PERSONNEL AND CONTRACTORS

PERSONNEL

Name/Position	Residence	Field Dates Worked
Andrew Hamilton Sampler	North Vancouver, B.C	Aug. 25-Nov. 5,1987
Wojtek Jakubowski Geologist/Supervisor	Vancouver, B.C.	May 20-Oct 30, 1987
Giselle Lahay Cook	Summerland, B.C.	May 25-Aug 24, 1987
Suzanne Maclean Sampler	Whistler, B.C.	Jun 1-Jun 30, 1987
Margaret Muscat Sampler	Whistler, B.C.	Aug 25-Oct 30, 1987
Christian Robertson Sampler	North Vancouver, B.C.	Jun 18-Aug 28, 1987
Bruce Smiley Sampler	North Vancouver, B.C.	Jun 1-Jun 30, 1987
Christopher Stollery Sampler	North Vancouver, B.C.	Jul 29- Aug 4, 1987
Geoffrey Stollery Sampler	North Vancouver, B.C.	Jun 23-Aug 21, 1987
Janice Tindle Cook/sampler	Whistler, B.C.	Aug 28-Oct 30, 1987
Colette Warburton Sampler	Vancouver, B.C.	Sep 19-Oct 30, 1987

CONTRACTORS:

Bill Chase & Associates Linecutting	Whiterock, B.C.	4 men: 6 men: 4 men:	May 25-Jun 4, 1987 Jun 4-Jun 6, 1987 Jun 6-Jun 20, 1987
Pacific Geophysical Ltd. Geophysical Surveys	Vancouver, B.C.	3 men: 4 men:	Sep 5-Sep 10, 1987 Sep 11-Sep 12, 1987
Alf Kalenith Trenching	Cache Creek, B.C.	1 man:	Aug 20-Oct 25, 2987
W Dobbin Construction Ltd. Trench backfilling	Peachland, B.C.	1 man:	Oct 26-Nov 3, 1987

12.0 WRITER'S CERTIFICATE

I, Wojtek Jakubowski of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at #17 1435 West 10th Avenue and employed by Cordilleran Engineering Ltd. of 1980-1055 West Hastings Street.

2. I have received a B.Sc. degree in Geological Sciences from McGill University, Montreal, Quebec in 1979.

3. I have practiced my profession for 9 years in Quebec, Northwest Territories, Yukon Territory and British Columbia.

4. I am the author of this report and the supervisor of the field work conducted on the Elk #1-27 claim group by Cordilleran Engineering Ltd. during the period May 20 to October 30, 1987.

W. Jakubowski

Wojtek Jakubowski, B.Sc.
Geologist

WJ/z
February 22, 1988

APPENDIX "A"

SAMPLE #	AU PPb	AG PPM	AU OZ/T	AG OZ/T	LOCATION	DESCRIPTION
TEJ001R	3				1700E 500N	GRANITE FLOAT MNO STAINED
2R	2				1600E 250S	" " FEO STAINED
3R	3				" "	" " 1% DISS PY
4R	2750				1650E 350N	" " FEO STAINED SILICEOUS QTZ VNLTS
5R	250				1800E 150N	" " " "
6R	22				2200E 1100N	" " " "
7R	1				2400E 2000N	" " " "
8R	3				GALENA CRK ROAD	FELDSPAR PORPHYRY - CLAY ALTERED - QTZ VN
9R	1				3800E 150S	GRANITE OUTCROP FEO, MNO STAINED, MINOR PY, QTZ VN
10R	6				" "	" " " " " " " "
11R	1				1475E 1575N	GRANITE SUBCROP FEO STAINED, BULL QTZ "SWEAT"
12R	890				1500E 1680N	" OUTCROP " " QTZ VNLT
13R	7	0.3			1515E 1824N	" " LIGHTLY ALTERED 5-10% MNO
14R	5				3810E 683N	" " FEO STAINED 2 cm QTZ VN
15R	1				3950E 690N	" " " " BULL QTZ "SWEAT"
16R	1				3960E 660N	" " ALTERED 3 cm QTZ VN
17R	2				3800E 150S	FELDSPAR PORPHYRY 2-3% DISS PY
18R	1				2120E 4500N	" " SILICIFIED QTZ VN
19R	13				" "	" " " DISS PY
20R	1				4200E 570S	GRANITE FLOAT FEO STAINED 1% DISS PY
21R	4				4270E 260S	FELDSPAR PORPHYRY " " SILICIFIED
22R	1				4390E 220S	" " FLOAT FEO STAINED 2% PY
23R	77				2000E 4550N	MASSIVE SULPHIDE IN BASALT - CHALCO, PYRHO, HEM
24R	5				2000E 4855N	PORPHYRITIC BASALT FEO STAINED SILICIFIED
25R	6				4430E 270S	FELDSPAR PORPHYRY 2% DISS PY
26R	1				1750E 3950N	BASALT EPIDOTE ALTERED 2% DISS PY
27R	34				2060W 200N	TUFF SILICEOUS 2% SULFOSALTS ?
28R	1				4600E 450N	GRANITE FEO STAINED QTZ SWEAT
29R	24				390W 290S	BASALT FLOAT SILICEOUS MINOR FEO

SAMPLE #	AU PPB	AG PPM	AU oz/t	AG oz/t	LOCATION	DESCRIPTION
7EJ030R	28	1.0			350W 810S	BASALT OXIDIZED SULPHIDE VN
31R	149	6.6			" "	" " " "
32R	12	0.3			340W 280S	" MINOR FEO QTZ VNLT
33R	6	0.4			345W 250S	" " "
34R	9	0.3			310W 390S	CLAY MUTATED DIKE? BRECCIA - MATRIX
35R	1	0.1			500W 250N	BASALT LIGHTLY BLEACHED MINOR PY BOXWORKS
36R	5	0.4			500W 240N	" " " MINOR DISS PY
37R	1	0.2			600E 1970N	BULL QTZ IN BASALT
38R	4	0.1			600E 1750N	QTZ VN IN BASALT W MINOR HEMATITE
39R	1	0.1			600E 1970N	QTZ VNLTS IN BASALT
40R	2	0.2			800E 2100N	20 cm QTZ VN MINOR FEO IN BASALT
41R	3	0.1			2300W 130N	SHEARED FELDSPAR PORPHYRY DYKE? FIO STAINED
42R	13	0.1			2360W 010N	BASALT - LIGHTLY MINERL , MINOR FEO
43R	7	0.7			2360W 010N	QTZ VNLT .5cm IN BASALT
44R	51	0.4			2060W 200N	TUFF 7EJ027R RESAMPLED
45R	2	0.1			1760W 400N	FELDSPAR PORPHYRY - MINOR DISS PY
46R	2	0.4			1750W 370N	BASALT SILICIFIED ABUNDANT FEO ON FRACTS
47R	4	0.6			1750W 350N	" " " " " "
48R	18	0.1			1750W 310N	" " " " " "
49R	1	0.1			1780W 10N	BASALT W MINOR QTZ VNLTS
50R	2	0.1			965E 2040N	GRANITE W ABUNDANT MNO ON FRACTS
51R			0.009	1.88	1430E 1400N	NORTH SHOWING QTZ VN 1.0m Chip sample
52R			3.90	29.34	" "	" " " " " " "
53R			0.019	0.09	" "	" " ANDESITE " " "
54R			0.052	0.41	" "	" " " " " " "
55R			0.932	4.82	" "	" " " " " " "
56R	8	0.4			2200E 3400N	DIORITE
57R	30	0.3			2580E 3715N	BASALT W RUSTY QTZ VNLT - FLOAT
58R	3	0.5			800W 450N	ANSMIT FLOAT FEO STAINED

SAMPLE #	AU ppb	AG ppm	AU oz/t	AG oz/t	LOCATION	DESCRIPTION
7E JO 59R	13	0.2			800W 770N	BASALT FEO STAINED SCREE
60R	850	0.7			1260E 500N	GRANITE W 1cm RUSTY QTZ VNLT
61R			8.65	14.26	NORTH SHOWING	BEST GRADE NORTH SHOWING QTZ VN
62R			0.107	0.61	" "	ANDESITE + QTZ VN NORTH SHOWING 50cm CHIP
63R			0.019	0.15	" "	ANDESITE FEO STAINED " " 20cm "
64R			0.570	0.73	" "	ANDESITE + QTZ VN 20cm "
65R			5.720	11.54	" "	QTZ VN 1m CHIP
66R			1.390	4.33	" "	" " " "
67R	3	0.2			4400E 3000N	RUSTY GOUGE IN GRANITE
68R	56	0.6			6300E 1700N	GRANITE W FEO
69R	63	14.2			" "	QUARTZ FELDSPAR PORPHYRY FEO STAINED
70R	10	0.2			1000W 190N	BASALT FEO STAINED
71R	65	3.3			1000W 650N	" " "
72R	1	0.2			" "	" " "
73R	13	0.4			1000W 870N	" " "
74R	1	0.2			1380E 4480N	" " "
75R	7	0.4			1200W 830S	DIORITE 5% DISS PY
76R	2	0.1			950W 800N	BASALT FEO STAINED W CALCITE VNLTS
77R	2	0.4			1000W 800N	" " "
78R	295				985W 725N	MICRODIORITE 1% DISS PY
79R	48	0.8			970W 700N	BASALT 5% DISS PY
80R	1	17.3			3200E 50S	GRANITE FEO STAINED SILICIFIED
81R			0.488	0.39	SOUTH SHOWING	QTZ VN FLOAT IN TRENCH SS 87-1 WALL

SAMPLING CODE

Sample Name	Explanation
7EJ003**R**	Rock Sample
7EJ003**S**	Soil Sample
7EJ003**I**	Stream Sediment Sample
7EJ003**L**	" " "

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

DATE RECEIVED JUNE 15 1987

DATE REPORTS MAILED June 20/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : P.1 ROCK P.2 TO P.11 SOIL -80 MESH
Au* - 10 GM, IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

ASSAYER _____ DEAN TOYE , CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT ELK FILE# 87-1749

SAMPLE	Au* ppb
7EJ-001R	3
7EJ-002R	2
7EJ-003R	3
7EJ-004R	2750
7EJ-005R	250
7EJ-006R	22
7EJ-007R	1

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DATE RECEIVED JUNE 20 1987

DATE REPORTS MAILED June 26/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.
Au* - 10 GM,IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK # R-87-2 FILE# 87-1896 PAGE# 1

SAMPLE	Au* ppb
7EJ-008R	3
7EJ-009R	1
7EJ-010R	6
7EJ-011R	1
7EJ-012R	890
7EJ-013R	7
7EJ-014R	5
7EJ-015R	1
7EJ-016R	1
7EJ-017R	2

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-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: Rock Chips

DATE RECEIVED: JUN 20 1987 DATE REPORT MAILED: June 26/87 ASSAYER. D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT - ELK #R-87-2 File # 87-1896

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
7EJ-013R	26464	107	10	18	.3	1	1	107	1.02	3	5	ND	13	5	1	39	2	4	.08	.032	6	13	.02	27	.01	2	.21	.06	.11	1

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

DATE RECEIVED JULY 4 1987

DATE REPORTS MAILED July 8/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.
Au* - 10 GM IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK#R-87-3 FILE# 87-2193 PAGE# 1

SAMPLE	Au* ppb
7EJ-018R	1
7EJ-019R	13
7EJ-020R	1
7EJ-021R	4
7EJ-022R	1

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PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED JUL 09 1987

DATE REPORTS MAILED July 16/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK/STREAM SED/SOIL
Au‡ - 10 GM, IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK FILE# 87-2318 PAGE# 1

SAMPLE	Au* ppb
7EJ023R A	77
7EJ023R B	5
7EJ025R	6
7EJ026R	1
7EJ027R	34
7EJ028R	1
7EJ001I	1
7EJ002I	560
7EJ001S	11
7EJ002S	29
7EJ003S	2

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-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: Rock Chips AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 13 1987 DATE REPORT MAILED: July 17/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT - ELK File # 87-2391

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB	
7EJ029R	5	211	11	37	.3	17	9	114	.3.18	19	5	ND	2	33	1	2	2	41	.78	.168	12	20	.24	43	.14	5	.48	.07	.08	1	24	
7EJ030R	2	501	10	57	1.0	13	41	1673	6.96	23	5	ND	2	71	1	2	2	29	10.85	.118	4	1	.61	4	.06	5	1.34	.20	.01	2	28	diatreme gosson
7EJ031R	1	696	5	45	6.6	9	26	734	24.14	248	5	ND	2	26	1	2	2	37	3.09	.087	2	1	.33	11	.05	2	.82	.01	.04	2	149	diatreme gosson
7EJ032R	1	108	2	62	.3	12	10	236	2.45	12	5	ND	2	60	1	2	2	55	1.25	.134	9	16	.41	74	.18	6	1.16	.12	.20	1	12	
7EJ033R	2	79	8	43	.4	5	3	99	1.93	17	5	ND	3	42	1	2	2	28	.88	.159	11	9	.16	26	.14	4	.46	.07	.06	2	6	
7EJ034R	1	36	6	67	.3	5	5	357	2.15	3	5	ND	8	44	1	2	2	45	1.29	.074	17	9	.69	106	.11	3	1.06	.03	.25	1	9	
7EJ035R	1	8	8	37	.1	4	3	219	1.12	9	5	ND	5	9	1	2	2	11	.12	.046	15	3	.04	194	.01	5	.70	.04	.31	1	1	
7EJ036R	1	128	2	65	.4	25	19	548	3.53	14	5	ND	3	46	1	7	2	95	1.92	.137	8	25	1.68	112	.27	8	1.87	.16	.42	1	5	
STD C	19	57	37	130	7.0	66	27	912	3.82	38	21	7	32	46	17	15	20	54	.48	.088	36	50	.86	167	.08	36	1.66	.06	.14	12	-	

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
7EJ037R	1	3	2	4	.2	1	1	81	.35	2	5	ND	2	2	1	3	3	1	.02	.002	2	1	.01	5	.01	2	.07	.02	.06	1	1
7EJ038R	1	5	3	50	.1	10	8	541	3.44	11	5	ND	7	74	1	2	2	76	1.70	.217	32	8	.67	52	.37	3	1.97	.28	.34	1	4
7EJ039R	1	4	7	74	.1	5	5	872	5.01	9	6	ND	11	89	1	2	2	61	1.60	.219	46	1	.56	100	.30	14	1.76	.22	.32	1	1
7EJ040R	4	13	2	20	.2	3	2	376	1.36	4	5	ND	3	8	1	3	3	17	.30	.021	5	3	.02	17	.05	2	.12	.01	.04	4	2
7EJ041R	1	12	10	42	.1	4	4	707	1.41	2	5	ND	6	35	1	3	2	14	.73	.040	18	3	.10	432	.01	4	.48	.02	.18	3	3
7EJ042R	3	67	9	43	.1	3	4	269	3.74	12	6	ND	2	45	1	2	2	127	.52	.153	6	7	.89	145	.29	2	1.25	.09	.33	2	13
7EJ043R	2	226	3	44	.7	6	10	401	3.89	8	5	ND	2	170	1	2	2	158	1.44	.132	7	15	.76	72	.23	2	1.94	.27	.07	1	7
7EJ044R	6	239	16	71	.4	23	16	335	2.96	66	5	ND	2	99	1	2	2	117	1.73	.142	7	47	1.29	83	.33	5	2.39	.24	.38	1	51
7EJ045R	1	32	3	57	.1	8	6	483	2.91	8	5	ND	2	22	1	2	2	71	.34	.059	4	38	.97	69	.09	3	1.33	.08	.15	1	2
7EJ046R	7	129	9	48	.4	9	9	390	3.74	9	5	ND	3	58	1	2	2	132	.86	.161	11	23	1.04	164	.39	2	1.56	.13	.77	1	2
7EJ047R	25	133	4	45	.6	5	10	426	3.87	43	5	ND	3	69	1	2	2	112	1.04	.183	12	12	1.21	94	.27	2	1.89	.10	.24	2	4
7EJ048R	3	15	5	44	.1	4	2	306	2.29	57	5	ND	23	13	1	4	3	24	.32	.058	71	1	.14	30	.17	2	.78	.06	.19	1	18
7EJ049R	3	15	13	98	.1	13	10	745	6.53	11	5	ND	9	66	1	2	2	106	1.83	.223	29	6	1.00	66	.36	4	2.34	.15	.98	2	1
7EJ050R	2	5	5	18	.1	2	1	509	1.08	3	6	ND	18	3	1	2	4	5	.03	.014	20	1	.03	58	.01	2	.24	.05	.13	2	2
STD C/AU-R	21	62	37	138	7.7	69	29	1031	3.95	41	18	8	39	54	20	18	20	60	.49	.098	40	59	.89	188	.09	36	1.87	.06	.15	13	490

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

DATE RECEIVED JUL 23 1987

DATE REPORTS MAILED July 31/87

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.

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

CORDILLERAN ENGINEERING PROJECT ELK (R-87-6) FILE# 87-2650A

SAMPLE	Ag oz/t	Au oz/t
7EJ051R	1.88	.009
7EJ052R	29.34	3.900
7EJ053R	.09	.019
7EJ054R	.41	.052
7EJ055R	4.82	.932

AUG 04. 87

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-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: Rock Chips AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 29 1987 DATE REPORT MAILED: Aug 11/87 ASSAYER. D.C. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK R-87-7 File # 87-2826 Page 2

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
7EJ-056R	1	123	15	37	.4	11	7	294	2.19	8	5	ND	3	53	1	2	2	68	.76	.113	9	18	.64	54	.15	4	1.31	.11	.38	1	8
7EJ-057R	5	41	96	302	.3	2	3	485	2.07	10	5	ND	14	6	1	2	2	3	.03	.012	30	2	.01	25	.01	2	.23	.03	.09	1	30
7EJ-058R	11	119	7	40	.5	28	11	295	3.88	25	5	ND	3	68	1	2	2	60	1.71	.136	5	39	.70	49	.20	4	1.39	.13	.13	1	3
7EJ-059R	1	12	7	20	.2	2	10	230	2.52	76	5	ND	3	36	1	2	2	39	.78	.082	4	5	.38	26	.22	4	.78	.06	.09	1	13
STD C/AU-R	18	59	41	132	7.5	70	28	945	3.95	41	21	7	38	51	19	18	21	58	.48	.091	38	59	.88	180	.08	38	1.85	.06	.14	14	485

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

DATE RECEIVED JUL 23 1987

DATE REPORTS MAILED Aug 15/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL/STREAM SED P-20 MESH PULVERIZED

Au* - 10 GM, IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK FILE# 87-2650 PAGE# 1

SAMPLE	Au* ppb
7EJ003I P	1
7EJ004I P	1
7EJ005I P	4
7EJ004S P	17
7EJ006S P	1
7EJ007S P	1
7EJ008S P	1
7EJ009S P	52

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

DATE RECEIVED JULY 29 1987

DATE REPORTS MAILED Aug 11/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL -80 MESH
Au* - 10 GM.IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK R-87-7 FILE# 87-2826 PAGE# 1

SAMPLE	Au* ppb
7EJ-005S	76
7EJ-010S	3
7EJ-011S	12
7EJ-012S	20
7EJ-013S	4

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-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-SOIL/SILT P2-ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 17 1987 DATE REPORT MAILED: Aug 29/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK #R-87-8 File # 87-3353 Page 2

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
7EJ-060R	2	16	40	13	.7	3	1	139	1.69	30	5	ND	6	7	1	3	3	4	.04	.017	13	4	.02	133	.01	2	.27	.01	.20	1	850
7EJ-067R	8	11	90	92	.2	1	2	168	1.64	4	5	ND	11	30	1	3	2	4	.06	.021	20	3	.03	47	.01	24	.37	.04	.09	1	3
7EJ-068R	41	22	47	79	.6	6	16	576	30.16	2	5	ND	10	80	1	2	3	23	.13	.027	7	1	.61	24	.02	2	1.14	.03	.31	2	56
7EJ-069R	2	143	57	194	14.2	1	1	65	1.32	4	5	ND	10	24	6	2	60	5	.07	.036	13	1	.02	280	.01	2	.20	.01	.19	8	63
7EJ-070R	1	4	11	24	.3	2	7	212	3.27	25	5	ND	2	34	1	2	2	57	.76	.073	4	5	.68	30	.19	2	1.01	.08	.10	1	10
7EJ-071R	2	985	28	59	3.3	45	90	515	16.23	43	5	ND	3	71	1	2	2	104	1.57	.162	9	36	.74	17	.30	10	2.13	.18	.16	2	65
7EJ-072R	1	37	19	80	.2	10	10	623	3.90	17	5	ND	4	47	1	2	2	84	5.01	.198	14	16	1.18	19	.34	9	3.67	.05	.07	1	1
7EJ-073R	1	82	11	39	.4	12	16	385	2.91	13	5	ND	1	55	1	2	2	83	1.50	.127	5	10	1.12	35	.36	18	1.54	.13	.22	1	13
STD C/AU-R	19	59	43	133	7.5	70	28	1055	4.01	39	21	7	38	49	19	17	19	57	.48	.093	38	59	.88	178	.08	39	1.82	.09	.13	12	480

500 ml show sl osil - 1cm qtz Vn.

CORDILLERAN ENG PROJECT-ELK FILE # 87-3649

20gm

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
Rock																															
7EJ074R	1	60	10	44	.2	64	12	327	2.52	12	5	ND	2	58	1	2	2	55	1.43	.246	4	77	.68	19	.20	6	1.30	.05	.30	1	1
7EJ075R	1	5	6	45	.4	1	5	882	3.82	8	5	ND	4	18	1	2	2	16	1.12	.101	14	1	.75	62	.01	2	1.17	.03	.12	1	7
7EJ076R	1	58	7	31	.1	18	18	413	3.96	12	5	ND	3	92	1	2	2	106	1.78	.144	4	8	1.97	24	.31	4	2.58	.11	.15	1	2
7EJ077R	1	31	5	23	.4	19	8	282	2.14	18	5	ND	5	100	1	2	2	59	2.19	.176	11	39	.67	34	.25	9	1.60	.05	.11	1	2
7EJ078R	1	26	10	39	.3	1	2	271	1.47	17	5	ND	3	17	1	3	2	14	.68	.045	4	1	.48	16	.12	3	.85	.04	.08	4	295
7EJ079R	1	190	5	45	.8	40	49	576	3.63	118	5	ND	3	36	1	2	2	56	1.19	.196	5	23	1.67	14	.26	5	1.85	.08	.09	1	48
7EJ080R	7	51	153	3267	17.3	3	2	3808	2.20	7	5	ND	3	23	1	2	3	5	.02	.005	5	2	.01	637	.01	2	.24	.01	.04	1	1

985E 725N
Fine Dyke 25°

3200E 50S
Rusty silicified
basalt
GRIZ slash

SEFI C 8

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

DATE RECEIVED AUGUST 26 1987

DATE REPORTS MAILED Sept 5/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL -80 MESH & STREAM SED
Au* - 10 GM, IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK R-87-9 FILE# 87-3649 PAGE# 1

SAMPLE	Au* ppb	
7EJ018S	10	600E 4300N
7EJ008I	2	" "

SEPT 0 8 87

Ans a .....

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

DATE RECEIVED AUG.28 1987

DATE REPORTS MAILED Sept 3/87

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK
AG‡‡ & AU‡‡ BY FIRE ASSAY

ASSAYER _____DEAN TOYE , CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT ELK FILE# 87-3704 PAGE# 1

SAMPLE	Au** oz/t	Ag** oz/t
7EJ081R	.488	.39

South showing
wall-float sample

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPB	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU ppb
7EJ-082R	2	272	148	184	7.6	4	2	4297	1.03	5	5	ND	8	5	7	2	13	5	.06	.015	29	3	.05	132	.01	6	.27	.01	.13	1	1935

SS 87-1 grab of mno coating on underside of bedrock ledge

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011 DATE RECEIVED: SEPT 28 1987
DATE REPORT MAILED: Oct. 15/87.

GEOCHEMICAL ICP ANALYSIS

- SAMPLE TYPE: P1-STREAM SED P2-ROCK
AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK R-87-11 File # 87-4591 Page 1

SAMPLE#	AG ppm	AU* ppb
7EB-01L	-	495
7EB-02L	-	26
7EB-03L	-	3
7EB-04L	-	11
7EB-05L	-	1
7EJ-015I	.1	1
7EJ-016I	.1	1
7EJ-017I	.1	1

SAMPLE#	AG ppm	AU* 20gm ppb
7EB-01R	3.0	147
7EB-02R	.1	3
7EB-03R	35.7	615
7EB-04R	1.7	29
7EJ-082R	-	1935

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

DATE RECEIVED AUG 17 1987

DATE REPORTS MAILED Aug 29/87

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK

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

CORDILLERAN ENGINEERING PROJECT ELK #R-87-8 FILE# 87-3353A PAGE# 1

SAMPLE	Ag** oz/t	Au** oz/t
7EJ-061R	14.26	8.650
7EJ-062R	.61	.107
7EJ-063R	.15	.019
7EJ-064R	.73	.070
7EJ-065R	11.54	5.720
7EJ-066R	4.33	1.390

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

DATE RECEIVED AUG 17 1987

DATE REPORTS MAILED Aug 29/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL/SILT
Au* - 10 GM,IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

CORDILLERAN ENGINEERING PROJECT ELK #R-87-8 FILE# 87-3353 PAGE# 1

SAMPLE	Au* ppb
7EJ-006I	1
7EJ-007I	1
7EJ-014S	5
7EJ-015S	1090
7EJ-016S	780
7EJ-017S	9

APPENDIX "B"

SUMMARY OF ABBREVIATIONS USED IN TRENCH AND ROCK SAMPLE LISTS

abun	- abundant
alt	- altered
AND	- Andesite
brn	- brown
bx	- breccia
chalcop	- chalcopyrite
cp	- "
cm	- centimetre
diss	- disseminated
Felds	- Feldspar
FeO	- Iron Oxide
fract	- fractured
Gn	- Galena
GRNT	- Granite
MnO	- Manganese Oxide
mod	- moderate
POR	- Feldspar Porphyry
Py	- Pyrite
Qtz	- Quartz
Sp	- Sphalerite
tr	- trace
vn	- vein
vnlt	- veinlet
w	- with

NOTE: The line along the left side of the trench sample page indicates that the samples are contiguous. An arrow head indicates that the samples are contiguous with those on the following page. An arrow tail indicates that the samples are contiguous with those on the previous page. A number preceding or following an arrow indicates the next contiguous sample.

TRENCH NS 87-1

SAMPLE #	SAMPLE LENGTH		Au ppm	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
NS001R	1.0		0.5	.001				AND - mod fract
002R	0.27		208.5	1.32	5.73	0.78	3.32 (153)	QTZ VN
003R	0.63		167.4	0.1163	4.62	0.264	8.05 (154)	QTZ VN + GRNT fractured
004R	0.5		5.0	0.015				AND mod fract
005R	1.50		10.4	0.079	0.27			AND
006R	1.58		0.7	0.002				" mod Fract
007R	0.28		53.6	0.255	1.41	1.26	41.56 (155)	QTZ VN 15cm in AND
008R	1.0		0.1	0.002				AND
009R	1.0		0.9	0.003				FELDSPAR PORPHYRY
10R	0.5		7.4	0.010				GRANITE + 10cm QTZ VN
11R	1.85		0.6	0.001				AND
12R	0.33		16.3	0.074	0.44	0.026	0.29 (156)	GRNT + QTZ VN fract
13R	1.0		0.8	0.005				AND
14R	1.0		0.2	0.001				AND Strongly fract
15R	0.93		5.6	0.012				" " "
16R	1.10		413.5	0.254	1.28	0.224	1.17 (157)	" + 38 cm QTZ VN
17R	1.20		10.0	0.014				AND mod fract
18R	1.0		0.9	0.003				" " "
43R	1.0			0.001	0.01			"
42R	1.0			0.001	0.01			" + sheared GRNT
19R	1.0		1.5	0.003				AND mod fract
20R	0.45		37.1	0.259	1.18	0.399	2.26 (158)	QTZ VN 30cm + And
21R	1.0		1.4	0.002				AND highly fract
64R	1.0		0.01	0.001				AND
65R	2.0		0.02	0.001				"
66R	2.0		0.01	0.001				"
67R	2.0		0.02	0.001				"
68R	1.0		0.01	0.001				FELDS POR
								"

TRENCH NS 87-1

SAMPLE #	SAMPLE LENGTH	Mo ppm	Ag ppm	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
NS022R	1.0		0.8	0.002	0.8			FELDSPAR PORPHYRY
23R	0.5		11.8	0.118	0.35		154	QTZ Vn 35cm + Sulfides Bx
24R	1.0		0.6	0.002	0.6			AND mod fract
025R	GRAB		0.1	0.001	0.1			GRNT - strongly alt
026R	GRAB		0.1	0.001	0.1			" " "
027R	1.0		0.01	0.001				FELDS POR
028R	1.0		0.01	0.001				AND - Goodrd or highly fract
029R	0.3		0.01	0.001				GRNT " " "
030R	0.5		0.02	0.001				"
31R	1.0		0.01	0.001				"
32R	0.4		0.01	0.001				AND
33R	0.3		0.01	0.001				"
34R	1.0		0.01	0.001				FELDS POR
35R	1.0		0.01	0.001				" "
36R	1.0		0.01	0.001				AND mod fract
37R	0.8		0.08	0.013				"
38R	0.3		0.31	0.102				QTZ Vn 15cm + Stained And
39R	1.0		0.01	0.001				AND
40R	1.0		0.04	0.003				AND + GRNT
41R	1.0		0.01	0.001				" "
52R	1.0		0.01	0.002				" "
44R	1.0		0.01	0.001				" highly fract
45R	0.4		0.60	0.120				QTZ Vn 10cm + stained And
46R	1.0		0.01	0.002				AND
47R	0.5		0.04	0.004				" fract
48R	1.0		0.02	0.001				FELDS POR
49R	1.0		0.01	0.001				" "
50R	0.8		0.75	0.265				AND + 20 cm QTZ Vn
51R	1.0		0.03	0.002				"

TRENCH NS 87-1

SAMPLE #	SAMPLE LENGTH	Mo PPM	Hg PPM	Au OZ/T	Ag OZ/T	REASSAY Au OZ	REASSAY Ag OZ	DESCRIPTION
NS053R	1.0			0.001	0.01			AND
54R	0.3			0.001	0.01			AND + FOR Sheared
55R	1.0			0.001	0.01			FELDS POR
56R	1.0			0.001	0.01			" "
57R	1.0			0.001	0.01			" " Frac'd
58R	0.4			0.346	1.75			GRNT + 15cm QTZ Vn
59R	1.0			0.002	0.02			AND
60R	1.0			0.031	0.17			GRNT Sheared
61R	1.0			0.001	0.02			FELDS POR
62R	0.7			0.151	0.56			AND + 28 cm QTZ Vn
63R	1.0			0.001	0.03			" Frac'd

TRENCH NS 87-2

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
NS069R	1.0			0.001	0.02			GRNT mod fract
70R	1.8			0.001	0.02			" " "
71R	1.0			0.001	0.01			" " "
72R	1.0			0.001	0.01			" " "
73R	1.1			0.001	0.01			" " "
74R	0.25			0.001	0.01			FELDSPR POR
75R	1.0			0.002	0.01			GRNT mod fract
76R	1.5			0.001	0.01			" " "
77R	0.7			0.001	0.01			" highly "
78R	2.9			0.001	0.01			AND
79R	0.35			0.005	0.46			FeO stained clay gouge
80R	1.5			0.001	0.04			" " FELDS POR
81R	1.0			0.001	0.01			GRNT blue-red clay alt
82R	1.3			0.001	0.01			" " " " "
83R	1.6			0.001	0.01			" " " " "
84R	1.3			0.001	0.01			" + clay sheer
85R	1.3			0.001	0.01			" + brn clay obun FeO mnO
86R	1.4			0.001	0.02			mixed orange and blue clay
87R	1.2			0.001	0.04			AND brn clay alt
88R	1.2			0.001	0.02			" " " "
89R	1.6			0.001	0.04			" ? " " " and blue clay
90R	1.0			0.001	0.02			" " " " " " "
91R	1.0			0.001	0.01			" " " "

TRENCH NS 87-3

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
NS 125R	1.0			0.001	0.01			FELDS POR mod Alt
126R	1.0			0.001	0.03			" " "
127R	1.0			0.001	0.02			" "
128R	0.4			0.091	1.01			QTZ VN 30cm 2% Py, 1% Gn
129R	1.0			0.003	0.38			DIATREME BX w QTZ Vnlts trace Gn
130R	1.0			0.001	0.01			GRNT mod Alt
131R	1.0			0.018	0.03			DIATREME BX
132R	1.75			0.002	0.01			" "
133R	1.0			0.001	0.03			FELDS POR minor Alt
134R	1.0			0.001	0.03			GRNT mod fract
135R	1.0			0.001	0.01			" clay Alt
136R	1.0			0.001	0.01			GRNT mod fract
137R	1.0			0.001	0.01			"
138R	1.0			0.001	0.01			" mod fract
139R	2.0			0.001	0.03			" strong "
140R	1.0			0.001	0.01			" mod "
141R	2.0			0.001	0.02			" " "
142R	1.6	2						" " "
143R	1.45	26						" clay Alt
144R	2.0	240						" " "
145R	1.0	210						" strong fract
146R	1.0	2						" " " + 50cm Aplite dyke
147R	1.0	1						" mod "
148R	1.0	1						FELDS POR mod Alt
149R	0.5m	2						" " locally sheared
150R	1.0	1						" " mod Alt

TRENCH NS 87-4

SAMPLE #	SAMPLE LENGTH	Mo PPM	Mo PPM	Au OZ/T	Ag OZ/T	RE ASSAY Au OZ	RE ASSAY Ag OZ	DESCRIPTION
NS 092R	1.0			0.001	0.03			GRNT
93R	0.45			0.001	0.03			APLITE DYKE trace Sphal chalcop
94R	1.0			0.001	0.01			GRNT
95R	1.0			0.001	0.01			"
96R	0.70			0.001	0.01			" mod ALT strong Fract
97R	2.85			0.001	0.01			"
98R	1.00			0.001	0.01			APLITE DYKE strong ALT
99R	0.40			0.053	0.33			" " 3cm Qtz Vn minor Py
100R	1.55			0.001	0.04			GRNT mod ALT
101R	0.25			0.127	0.78			QTZ Vn minor Gn Py Sp Cp
102R	1.0			0.012	0.30			GRNT mod ALT
103R	1.0			0.008	0.12			" " "
104R	1.05			0.004	0.07			" " " strong Fract
105R	1.0			0.001	0.01			" " "
106R	1.0			0.001	0.01			" FeO, MnO on fracts
107R	0.7			0.003	0.03			" mod ALT
108R	1.0			0.001	0.03			" minor MnO FeO on fracts
109R	1.0			0.001	0.02			"
110R	0.5m			0.001	0.07			" mod ALT ~ 10cm Aplite dyke
111R	0.6m			0.001	0.02			" " "
112R	0.6			0.001	0.01			APLITE mod ALT
113R	1.0			0.001	0.03			GRNT
114R	1.5			0.001	0.01			" mod ALT
115R	1.0			0.001	0.02			FELDS PORPH bleached ALT
116R	1.0			0.001	0.01			GRNT mod ALT
117R	0.9			0.001	0.03			" " "
118R	1.0			0.001	0.01			" " "

TRENCH NS 87-4

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
NS119R.	1.0			0.001	0.03			GRNT mod fract
120R	1.0			0.001	0.01			" " "
121R	0.7			0.001	0.02			" mod FLT
122R	1.0			0.001	0.05			AND bon clay FLT
123R	1.0			0.001	0.05			FELDS POR " " "
124R	GRAB			0.001	0.01			DIATREME BRECCIA clay altered

TRENCH NS 87-5

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
NS 160R	1.00	39						FELDS POR highly fract
161R	2.50	24						GRNT? highly alt
162R	1.50	18						" " "
163R	1.40	5						FELDS PDR + GRNT mod fract light alt
164R	1.3	54						GRNT mod fract
151R	0.50			0.051	0.39			GRNT + AND highly fract
152R	0.50			0.328	0.71			QTZ V. 1 25cm in rusty sheared GRNT
165R	1.0	14						AND mod alt mod fract
166R	1.5	4						AND brn clay alt
167R	1.4	66						" " " "
168R	1.0	49						" mod fract
169R	1.0	12						FELDS POR " "
170R	1.3	1						" " strong fract
171R	0.55	13						GRNT clay alt
172R	1.0	1						" mod fract
173R	2.0	1						FELDS POR mod alt
174R	2.0	1						" " " "
175R	1.75	2						" " " "
176R	1.25	14						GRNT strong alt
177R	1.0	8						" " "
178R	2.0	5						" " "
179R	2.0	7						"
180R	2.0	10						"
181R	1.0	5						"

TRENCH SS 87-1

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS 0 58R	1.0 m	4020		0.112	0.10			Arg Altered GRANITE
1R	0.7m	3	0.4					Arg Alt GRANITE
2R	0.6m	13520	13.9	0.271	0.41	0.184	0.30 52R	Arg Alt GRANITE minor silicification
3R	0.6m	14	0.2					" " "
4R	1.0m	24	0.9					" " "
5R	0.4m	295	2.9					" " " " "
6R	0.6m	4	0.1					" " "
7R	1.0m	90	1.2					" " "
8R	0.5m	1	0.2					" " "
9R	1.0m	1	0.5					Weakly " "
10R	1.05m	50	0.4					" " "
11R	1.0m	88	0.5					" " "
12R	1.0m	1	0.3					Fractured "
13R	1.0m	8	0.1					" "
14R	0.7m	1	0.3					" "
15R	1.0m	1	0.4					" "
16R	1.0m	10	0.1					" "
17R	1.0m	1	0.1					" "
18R	0.5m	2	0.2					" "
19R	1.0m	1	0.1					" "
20R	1.0m	4	0.1					" "
21R	0.8m	109	0.2					Weakly Alt GRANITE
22R	1.55m	203	0.5					"
23R	0.45m	17200	5.5	0.485	0.19	0.334	0.15 53R	" " " 2cm Qtz Vn.
24R	0.75m	260	0.1					"
25R	0.45m	345	1.4					" " "
26R	0.60m	29	0.3					" " "
27R	1.0m	32	0.2					" " "

TRENCH SS 87-1

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS 028R	1.0 m	9	0.1					GRANITE
29R	0.7	41	0.2					Weakly Alt "
30R	0.75	101	0.1					"
31R	0.35	1660	1.9	0.046	0.07	0.157	0.07 54R	" " " 2cm Qtz Vn 1% Py
32R	0.95	14	0.1					"
33R	0.75	550	1.0					" " "
34R	0.85	2350	1.9	0.054	0.01	70ppb	55R	"
35R	0.80	23	0.1					"
36R	1.1	90	0.1					"
37R	1.0	10	0.1					"
38R	0.5	1040	1.2	0.035	0.04	370 ppb	56R	" " " 5cm Qtz Vn 10% Py
39R	1.75	12	0.2					"
40R	0.85	4450	6.9	0.137	0.14	0.166	0.16 57R	" " " 7cm Qtz Vn 15% Py
41R	0.70	58	0.1					"
42R	1.0	85	0.1					" " "
43R	0.5m	1	0.1					" " "
44R	0.6m	12	0.1					" " "
45R	0.6m	2690	2.3	0.065	0.08	0.078	0.20 51R	" " "
46R	1.1m	21	0.1					" " "
47R	1.2m	8	0.2					" " "
48R	0.65m	1	0.3					" " "
49R	1.0m	680	0.6					" " " 1cm Qtz Vn
50R	1.3m	112	0.2					" " "
59R	1.0m	7						mod frac GRNT
60R	0.55m	3						clay Alt GRNT
61R	1.0m	1						GRNT

TRENCH SS 87-1

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS062R	1.0 m	46						GRANITE
63R	1.0m	325						GRANITE 1% diss Py
64R	1.0m	41						" " " "
65R	1.0m	58						" light Alt
66R	1.0m	67						" " "
67R	1.0m	124						" " "
68R	1.0m	4						" " "
93R	1.0m	9						" " "
94R	1.0	365						" mod "
95R	1.0	8						" " "
96R	1.0	13						" light "
97R	0.6	23						" mod " 2cm Qtz Vn.
98R	1.0	1						" " "
99R	1.0	1						" light "
100R	1.0	1						" mod "
101R	1.0	2						AND green clay alt
102R	1.0	1						" " " " + GRNT
103R	1.0	7						" " " "
104R	1.0	6						" " " "
105R	0.9	4						" " " "
106R	1.0	7						GRNT
107R	0.8	2						"
108R	1.1	7						AND Tr diss Py
109R	1.0	6						GRNT

TRENCH SS 87-1

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS 110R	1.0m	4						GRANITE
SS 111R	0.9m	29						"
SS 112R	0.8m	11						"
SS 113R	1.0m	96						GRANITE Diatreme breccia
SS 114R	1.0m	172						" " "
SS 115R	1.0m	131						" " "
116R	1.0m	210						" " "
117R	1.0m	109						" " "
118R	1.0m	345						" " "
119R	1.0m	120						"
120R	1.0m	29						" minor FeO
121R	0.85m	100						"
122R	0.30m	15						" 2cm Qtz Vn
123R	1.0m	2						"
124R	1.0m	42						"
125R	1.0m	13						" weak alt
126R	1.0m	20.						" " "
127R	0.7m	17						" mod "
128R	0.7m	22						" weak "
129R	1.6	12						" " "
130R	1.0	11						"
131R	1.0	32						"
132R	1.0	1						"
133R	0.50m	1						"
134R	1.0m	1						" mod Alt
135R	1.0m	37						"

TRENCH SS 87-1

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION		
SS 136 E	1.0m	3						GRNT	weak	AH
137R	1.25	11						"	mod	"
138R	1.0	9						AND	"	"
139R	1.0	1						"	"	"
140R	1.2	8						"	"	"
141R	0.8	2						GRNT	"	"
142R	1.0	1						"	light	"
143R	1.0	1						"		
144R	1.0	7						"		
145R	1.0	1						"		
146R	1.0	1						"		

TRENCH SS 97-2

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
S261R								
SS 069R	1.0m	10940		0.282	0.14	0.270	0.21 (347R)	GRANITE MOD ALT - blue clay
070R	1.0m	4040		0.133	0.19	0.036	0.12 (348R)	" " "
71R	1.0m	217						" " "
72R	1.0	54						" " "
73R	1.0	47						" " " STRONG FRACT
74R	1.0	14						" " "
75R	1.0	45						" " "
76R	1.0	7						" " " + 20cm ALT AND
77R	1.0	33						" STRONG FRACT
78R	1.2	81						" " "
79R	0.8	122						" MOD "
80R	1.0	16						" " "
81R	1.0	13						"
82R	1.0	92						"
83R	1.0	43						"
84R	1.0	2380		0.062	0.08			"
85R	1.0	12						"
86R	1.0	73						"
87R	0.30	1910		0.055	0.52			" + 3-5cm Qtz Vn 3% Py
88R	1.0	32						"
89R	1.0	53						"
90R	1.0	2						"
91R	1.0	1						"
92R	1.0	1						"
SS 147R	0.9	9						" mod fract
148R	1.0	8						AND alt
149R	1.2	4						" "
150R	1.0	56						GRNT mod fract

TRENCH SS 97-2

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS151R	1.0m	8						GRANITE mod FRACT
152R	1.0	9						" " "
153R	1.0	18						" " " Weak alt
154R	1.0	7						" " "
155R	1.0	1						" wk "
156R	1.0	11						" " "
157R	1.0	19						" " "
158R	1.0	1						" mod "
159R	1.0	85						" " "
160R	1.0	6						" " "
161R	2.0	35						" wk "
162R	2.0	19						" " "
163R	2.0	23						" " "
164R	1.5	33						" " "
165R	1.0	1						" minor mno
166R	1.0	4						" " "
167R	1.0	13						" " "
168R	1.0	65						" " "
169R	1.0	3						" mod fract " "
170R	1.0	1						" " " " "
171R	2.0	6						" " " " "
172R	1.0	1						"
174R	1.0	1						" " "
175R	1.0	74						" strong " " "
176R	1.0	132						" " "
177R	1.0	1						" mod "
178R	1.0	1						" " "
179R	0.8	1						" " "

TRENCH SS 87-2

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION		
SS 180R	1.0	1						GRANITE	mod fract	
181R	1.25	1						"	"	
182R	1.0	1						"	"	
183R	0.8	5						"	"	
184R	1.5	7						AND	mod alt	
185R	1.6	1060		0.034	0.01			GRANITE	STRONG ALT	
186R	1.0	39						"	mod "	
187R	1.0	69						"	" "	
188R	1.0	19						"	" "	
189R	1.0	1						"	weak "	
190R	1.0	17						"		
191R	0.8	1						"	mod Fract	
192R	0.4	9						"	" Alt	
193R	0.5	1						"	" "	
194R	0.4	1						"	" fract	
195R	0.4	1						"	" Alt	10cm blue clay
196R	1.0	1						"	" fract	
197R	1.0	2						"		
198R	0.45	1						"	" Alt	
199R	1.0	1						"	" fract	
200R	0.5	5						"	STRONG "	
201R	0.65	1						"	mod Alt	20cm blue clay
202R	0.5	3						"	" "	strong fract
203R	1.0	4						"	" "	mod "
204R	1.0	1						"	" "	" "
205R	1.0	165						"	" "	STRONG "
206R	1.0	10						"	" "	" "
207R	1.0	1490		0.044	0.01			"	" "	mod "

TRENCH SS 37-2

SAMPLE #	SAMPLE LENGTH	AU ppb	Ag ppm.	AU oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS 208R	1.0	83						GRNT STRONG FRACT MOD ALT
209R	1.0	99						" " wk "
210R	1.0	690						" " " "
211R	1.0	26						AND " mod "
212R	1.5	13						" " " "
213R	0.5m	138						GRNT " "
214R	1.0m	32						AND MOD " " "
215R	1.2m	21						" " " " "
216R	1.0m	11						GRNT " " " "
217R	1.0	4						" " "
218R	1.0	1						" " "
219R	0.5	1						GRNT
220R	0.3	1						" STRONG "
221R	0.5	3						"
222R	0.5	1						"
223R	0.6	8						"
224R	0.5	17						"
225R	0.6	6						" mod ALT
226R	0.5	1						"
227R	0.3	3						"
228R	0.3	3						" STRONG FRACT
229R	0.8	5						" MOD "
230R	0.65	45						" STRONG "
231R	0.3	113						" MOD "
232R	1.4	3						" " "
233R	0.8	1						AND STRONG ALT
234R	0.3	1						GRNT 10 cm zone FeO MnO
235R	1.0	1						"

TRENCH SS 87-2.

	SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
	SS 236R.	0.9m	8						GRNT mod fract
	237R	1.4m	14						AND mod alt
	238R	1.2m	25						GRNT
	239R	0.9	12						AND STRONG ALT
	240R	1.0	1						GRNT mod fract
	241R	1.0	1						"
	242R	0.7m	1						" mod alt
	243R	.25m	88						" STRONG ALT
	244R	0.5m	6						" " " mod shear
	245R	1.0m	23						" " " " "
	246R	1.0m	45						" " " " "
	247R	1.0	8						" " " " "
	248R	1.0	3						" " " " "
	249R	1.0	1						GRNT
	250R	.5m	4						" mod fract
	251R	1.0	5						"
	252R	1.0	11						GRNT " "
	253R	1.0	3						" " "
	254R	1.7	27						" STRONG "
	255R	1.0	230						" mod "
	256R	1.4	74						" " "
	257R	0.8	33						DIATREME BX clay Alt
	258R	1.1	129				630ppb	343R	" " " "
	259R	1.0	81				82 ppb	344R	" " " "
	260R	1.0	119				290 ppb	345R	" " " "
SS064R	261R	1.3	5050		0.138	0.17	0.143	0.1 346R	" " " "

TRENCH SS 87-3

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz		DESCRIPTION
SS 262R	1.0	120							GRNT
263R	1.0	24							"
264R	1.0	75							" mod fract
265R	1.0	66							" "
266R	1.0	74							" "
267R	1.0	122							" "
268R	1.0	36							" "
269R	1.0	29							" "
270R	1.0	11							" "
271R	1.0	9							" "
272R	1.0	6							"
273R	1.0	25							"
274R	1.0	22							" Tr diss Py
275R	1.0	163				53 ppb		506	" " " "
276R	1.15	15				25 ppb		507	" mod fract
277R	1.0	2750		0.069	0.16	0.07	0.07	508	" strong alt 3% diss Py
278R	0.8	185				189 ppb		509	" Diatreme Bx
279R	1.0	120				54 ppb		510	" " " ? 2% diss Py
280R	1.0	280				106 ppb		511	" " "
281R	1.0	51				111 ppb		512	" " "
282R	1.0	77				62 ppb		513	" mod alt
283R	1.0	175							"
284R	1.0	10							"
285R	1.0	22							"
286R	1.9	5							"
287R	1.3	147							"
288R	1.0	5							"

TRENCH SS 87-3

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS 289R	1.0	88						GRNT mod alt mod fract
290R	1.3	16						GRNT " "
291R	1.0	6						" " "
292R	1.0	8						"
293R	0.3	6						"
294R	0.6	3						"
295R	1.0	4						"
296R	1.0	1						" " "
297R	1.0	23						" " "
298R	1.6	43						" " "
299R	1.0	1						" " "
300R	1.0	11						" " "
301R	1.45	46						" " "
302R	1.0	1						" " "
303R	1.0	128						" " "
304R	1.0	42						" " "
305R	1.5	51						" " "
306R	1.35	57						" " "
307R	1.25	41						" " "
308R	1.25	8						" " "
309R	1.25	1						" " " 1% diss Py blue clay
310R	1.35	2						AND? blue clay alt
311R	1.0	25						GRNT blue clay alt
312R	1.0	2				69 ppb	491	GRNT mod alt
313R	1.0	1				24 ppb	492	" " " minor diss Py
314R	1.0	1				3 ppb	493	" mod fract " " " " "
315R	1.0	295				320 ppb	494	" " " Strong " " " " "
316R	1.0	42				57 ppb	495	" " " " " " " " "

TRENCH SS 97-3

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz	DESCRIPTION
SS 317R	1.0	13				14 ppb	496	GRNT mod alt mod fract minor diss Py
318R	1.3	405				580 ppb	497	" " " " " " " " "
319R	1.0	355				220 ppb	498	" " " " " " " " "
320R	1.0	17				4 ppb	499	" " "
321R	1.0	1				2 ppb	500	" " "
322R	1.0	165				91 ppb	501	" " "
323R	0.5	350				96 ppb	502	" STRONG ALT
324R	0.9	92				85 ppb	503	"
325R	0.5	64				39 ppb	504	" mod ALT strong fract
326R	1.0	140				131 ppb	505	"
327R	1.0	13						"
328R	0.85	8						"
329R	0.3	69						AND mod alt
330R	1.0	172						GRNT ~1% diss Py
331R	1.0	540						GRNT mod alt
332R	1.4	440						GRNT mod alt
333R	1.0	118						" " " mod fract
334R	1.0	410						" " " " "
335R	1.0	172						" " " " "
336R	1.0	185						" " " " "
337R	1.0	136						" " " " " 3cm QTZ Vn 5% Py
338R	1.2	250						" " " " "
339R	0.3	20700		0.552	0.02			" " " " " 3cm QTZ Vn 2-4% Py
340R	1.0	172						" " "
341R	0.5m	152						DIATREME BX clay ALT
342R	1.0	14						GRNT
349R	1.0	27						"
350R	0.3	40						" widn 2cm shear
351R	1.0	18						" mod alt

TRENCH SS 87-3

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	REASSAY Au oz	REASSAY Ag oz	DESCRIPTION
SS 352R	1.0	69						GRNT mod alt
353R	1.0	360						" " "
354R	1.0	54						" " "
355R	1.0	5						" " "
356R	1.0	1						"
357R	1.0	1						"
358R	2.0	15						AND brn clay alt
359R	1.0	14						" " " "
360R	0.5	9						AND-GRNT mod alt - blue clay
361R	1.0	1						GRNT " "
362R	1.0	1						" " "
363R	1.0	5						" " "
364R	1.0	1						" " "
365R	1.0	5						"
366R	1.0	1						"
367R	0.4m	920		0.026	0.02			" " " obvn RO on fracts
368R	1.0	14						" " "
369R	1.1	70						" " "
370R	1.0	46						"
371R	1.0	17						"
372R	1.0	120						" "
373R	1.0	810						" " "
374R	1.0	7						" " "
375R	1.0	4						" " "
376R	1.0	1						" " mod fract
377R	1.0	16						"
378R	1.0	1						"
379R	1.0	1						" mod fract mod alt
380R	1.0	1						" " " " "

TRENCH SS 87-3

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz	DESCRIPTION
SS 381R	1.0	4						AND blue clay alt
382R	0.7	14						GRNT mod alt
383R	0.65	7						AND brn clay alt
384R	1.0	1						GRNT
385R	1.0	1						GRNT
386R	1.0	1						GRNT mod "
387R	1.0	1						GRNT
388R	1.0	1						"
389R	1.0	1						" mod foot
390R	1.0	1						" " "
391R	1.0	1						" " "
392R	1.0	1						"
393R	1.0	2						" mod alt
394R	1.0	1						" " "
395R	1.0	1						" " "
396R	1.0	1						" " " + AND 15cm blue clay Alt
397R	1.3	1						" " "
398R	1.0	1						"
399R	1.0	1						" mod Alt
400R	0.5	1						" Strong Alt
401R	1.65	1						" mod "
402R	1.0	1						"
403R	1.0	1						" Strong Alt
404R	1.3	1						GRNT
405R	1.2	1						"

TRENCH SS 87-4

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz	DESCRIPTION
SS 406R	1.0	1						GRNT mod fract
407R	0.5	7450		0.604	0.67			" mod Alt 2 cm Qtz Vn 3% Py
408R	1.0	72						" mod. fract
409R	1.0	53						" " "
410R	1.0	104						" " " mod Alt, minor diss Py
411R	0.7	210						" Strong "
412R	1.0	3						" mod "
413R	1.75	1						" " "
414R	0.4m	1						AND brn clay alt
415R	1.0m	1						GRNT
416R	1.0m	1						"
417R	1.0	1						" mod fract
418R	1.0	1						" " "
419R	1.0	1						"
420R	1.0	1						" " "
421R	0.45	3						"
422R	1.0	1						" " "
423R	1.0	1						" " Alt
424R	1.0	1						" " " strong fract
425R	0.7m	72						" " " " "
426R	1.0	4						"
427R	1.0	1						" " " mod fract
428R	1.0	1						" " " " "
429R	1.0	1						" " "
430R	1.0	1						" " " " "
431R	1.0	2						" " " " "
432R	1.0	1						" " " " "
433R	1.0	12						" " " " "
434R	1.0	96					65 ppb	" " "

TRENCH SS 87-1

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz	DESCRIPTION
SS 435 R	0.7	7810				0.22	0.55 471	GRNT blue clay Alt ~1% diss Py
436 R	1.0	54				0.14	0.25 472	GRNT mod alt
437 R	1.2	250				570 ppb	473	" " minor MnO
438 R	1.0	5				42 "	474	" "
439 R	1.7	57				11 "	475	" "
440 R	1.0	116				210 "	476	" " mod fract abun MnO
441 R	1.0	8				35 "	477	" " " "
442 R	1.55	1111				11 "	478	" " " "
443 R	1.2	430				230 "	479	" "
444 R	1.5	106				95 "	480	" " " "
445 R	1.0	930		0.021	0.38	580 "	481	" Silicified 1-2% diss Py
446 R	1.0	280				0.049	0.08 482	" " " "
447 R	1.0	49				90 ppb	483	" " " "
448 R	1.0	5480		0.152	0.15	800 "	484	" mod alt 1.5cm Qtz Vn 2% Py
449 R	1.0	450				150 "	485	" mod Fract
450 R	1.0	270				87 "	486	" "
451 R	1.2	186				350 "	487	GRNT + fine clay Alt And
452 R	1.0	1130		0.032	0.05	260 "	488	" " " "
453 R	1.55	440				0.029	0.01 489	"
454 R	0.4	10				4 ppb	490	AND brn clay alt
455 R	1.2	7						" " " "
456 R	1.7	1						" " " "
457 R	1.0	10						GRNT
458 R	1.0	8						GRNT
459 R	1.0	9						"
460 R	1.0	7						"
461 R	1.0	1						"
462 R	1.25	2						"
463 R	0.5	1						"

TRENCH SS 87-4

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz	DESCRIPTION
SS 464R	1.2	1						GRNT mod fract
465R	0.3	1						" mod fol
466R	2.0	1						"
467R	1.0	1						"
468R	1.0	2						"
469R	1.0	3						"

TRENCH SS 87-5

SAMPLE #	SAMPLE LENGTH	Au ppb	Ag ppm.	Au oz/t	Ag oz/t	RE ASSAY Au oz	RE ASSAY Ag oz	DESCRIPTION
SS 514R	1.0	1						GRNT
515R	1.0	1						"
516R	1.0	1						"
517R	1.0	1						"
518R	2.0	1.						"

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 11/87.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-1 File # 87-3977 R

SAMPLE#	AG** OZ/T	AU** OZ/T
SSH-002R	.41	.271
SSH-023R	.19	.485
SSH-031R	.07	.046
SSH-034R	.04	.054
SSH-038R	.04	.035
SSH-040R	.14	.137
SSH-045R	.08	.065

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-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: Rock Chips AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

DATE RECEIVED: SEPT 8 1987 DATE REPORT MAILED: Sept 18/87 ASSAYER D. Toye ...DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK #T-87-1 File # 87-3977 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* PPB
SSH-001R	1	53	10	32	.4	2	2	765	1.02	3	5	ND	13	12	1	2	3	7	.10	.019	22	2	.04	54	.01	6	.22	.03	.08	1	3
SSH-002R	2	172	176	34	13.9	1	1	460	1.37	35	5	4	9	8	1	4	11	5	.04	.021	16	3	.04	62	.01	3	.32	.01	.20	1	13520
SSH-003R	1	6	2	20	.2	1	1	492	1.01	2	5	ND	11	6	1	2	2	8	.09	.021	18	1	.05	46	.01	2	.17	.03	.07	2	14
SSH-004R	1	68	23	30	.9	1	2	699	.95	2	5	ND	15	8	1	2	3	6	.09	.024	21	3	.04	48	.01	5	.25	.02	.11	1	24
SSH-005R	1	130	59	45	2.9	2	1	743	1.06	11	5	ND	10	7	1	2	2	5	.07	.024	17	2	.04	54	.01	7	.29	.01	.17	1	295
SSH-006R	1	9	9	35	.1	1	2	574	1.06	2	5	ND	11	9	1	2	2	7	.09	.022	20	3	.03	42	.01	2	.18	.02	.05	1	4
SSH-007R	1	38	37	56	1.2	1	2	548	1.09	2	5	ND	12	6	1	2	2	9	.10	.024	21	3	.09	58	.02	2	.28	.03	.12	1	90
SSH-008R	1	14	8	22	.2	1	2	438	.95	2	5	ND	11	5	1	3	4	8	.08	.020	14	2	.06	50	.02	2	.19	.04	.09	1	1
SSH-009R	1	48	3	28	.5	3	2	607	1.07	2	5	ND	12	5	1	2	2	6	.09	.022	24	2	.03	49	.01	2	.19	.03	.08	1	1
SSH-0010R	1	51	7	13	.4	1	1	376	.77	3	5	ND	8	5	1	3	2	2	.05	.016	17	1	.02	35	.01	4	.18	.03	.10	1	50
SSH-0011R	2	58	2	19	.5	1	1	396	1.00	3	5	ND	12	5	2	3	2	7	.07	.019	20	3	.08	43	.02	2	.22	.03	.11	1	88
SSH-0012R	1	17	5	27	.3	2	2	734	1.27	2	5	ND	17	9	1	2	2	10	.10	.026	31	2	.04	55	.01	2	.22	.03	.06	1	1
SSH-0013R	1	20	12	32	.1	1	3	722	1.26	2	5	ND	18	11	2	2	2	8	.09	.027	36	4	.02	65	.01	2	.20	.03	.06	1	8
SSH-0014R	1	17	12	27	.3	2	2	843	1.34	2	5	ND	16	14	1	2	3	9	.11	.026	32	2	.04	72	.01	2	.28	.02	.06	1	1
SSH-0015R	1	9	6	27	.4	1	2	736	1.08	2	5	ND	12	14	3	2	2	6	.07	.019	33	1	.01	55	.01	3	.17	.02	.05	1	1
SSH-0016R	1	5	8	32	.1	2	2	604	1.10	2	5	ND	15	10	1	2	2	7	.08	.022	32	1	.02	47	.01	2	.18	.03	.05	1	10
SSH-0017R	1	5	8	32	.1	1	2	822	1.33	2	5	ND	15	18	1	2	2	9	.07	.022	32	2	.02	62	.01	2	.18	.02	.05	1	1
SSH-0018R	1	7	2	35	.2	3	2	710	1.25	2	5	ND	13	8	1	2	2	9	.09	.021	29	2	.02	53	.01	2	.16	.03	.07	1	2
SSH-0019R	1	9	2	26	.1	2	2	566	1.14	2	5	ND	10	6	1	2	2	9	.08	.022	18	2	.02	44	.01	2	.16	.04	.06	1	1
SSH-0020R	1	12	6	16	.1	1	2	563	1.09	2	5	ND	12	8	1	2	2	9	.08	.019	18	3	.05	53	.01	2	.21	.03	.08	1	4
SSH-0021R	1	21	5	15	.2	2	2	658	1.13	3	5	ND	12	12	1	2	2	6	.06	.019	29	2	.03	66	.01	2	.20	.02	.06	1	109
SSH-0022R	1	70	2	16	.5	1	2	619	1.17	3	5	ND	12	9	1	2	2	6	.07	.023	25	2	.03	60	.01	2	.25	.03	.08	1	205
SSH-0023R	1	129	17	35	5.5	2	3	584	1.33	13	5	6	11	11	3	2	14	5	.04	.017	19	4	.02	108	.01	2	.22	.01	.10	1	17200
SSH-0024R	1	68	2	42	.1	2	1	575	1.03	3	5	ND	12	8	1	2	2	5	.06	.022	26	2	.02	50	.01	2	.21	.03	.08	1	260
SSH-0025R	1	77	13	23	1.4	3	2	388	1.45	5	5	ND	13	8	1	2	2	8	.07	.025	28	4	.03	52	.01	3	.25	.02	.11	1	345
SSH-0026R	1	49	13	51	.3	2	2	712	1.34	2	5	ND	19	7	2	3	2	10	.10	.025	27	2	.03	54	.01	6	.21	.03	.07	1	29
SSH-0027R	1	37	9	74	.2	2	2	792	1.29	3	5	ND	14	9	1	2	2	10	.09	.025	30	3	.03	52	.01	2	.20	.03	.08	1	32
SSH-0028R	1	12	10	17	.1	2	2	501	1.08	2	5	ND	12	6	4	2	2	9	.07	.019	18	3	.07	59	.02	5	.25	.04	.11	1	9
SSH-0029R	1	20	3	19	.2	2	1	532	1.18	2	5	ND	14	7	1	2	2	7	.07	.023	27	3	.02	49	.01	2	.19	.04	.09	2	41
SSH-0030R	1	37	6	14	.1	1	1	534	.89	6	5	ND	11	7	1	3	2	5	.06	.021	25	2	.02	49	.01	2	.20	.03	.09	1	101
SSH-0031R	1	68	11	4	1.9	1	2	320	1.14	14	5	ND	7	5	1	2	6	3	.03	.016	14	3	.02	50	.01	2	.19	.02	.11	1	1660
SSH-0032R	1	56	4	15	.1	2	1	410	1.02	2	5	ND	11	6	1	2	2	9	.07	.020	16	2	.03	44	.01	2	.18	.04	.06	1	14
SSH-0033R	1	108	12	22	1.0	1	1	393	1.15	8	5	ND	11	8	1	2	2	6	.04	.020	23	3	.03	52	.01	3	.23	.02	.09	1	550
SSH-0034R	1	51	14	21	1.9	2	2	409	1.13	2	5	2	10	6	1	2	2	5	.05	.017	15	3	.02	40	.01	2	.22	.03	.09	1	2350
SSH-0035R	1	37	3	29	.1	2	1	615	1.06	4	5	ND	11	7	1	2	2	7	.05	.018	17	3	.03	47	.01	2	.21	.03	.09	1	23
SSH-0036R	1	32	12	53	.1	2	2	654	1.34	2	5	ND	15	10	1	2	2	12	.11	.026	24	4	.08	54	.02	2	.31	.03	.08	1	90
STD C/AU-R	17	63	40	132	7.2	69	28	1053	4.14	40	22	7	40	51	17	18	21	60	.46	.093	39	59	.85	183	.08	34	1.80	.06	.13	12	505

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU$ PPB
SSH-037R	1	18	3	29	.1	3	2	699	1.20	2	5	ND	17	10	2	3	2	12	.12	.026	28	1	.07	55	.02	8	.25	.03	.09	1	10
SSH-038R	1	67	17	14	1.2	2	3	432	1.18	8	5	ND	8	10	1	2	2	5	.07	.020	20	2	.03	73	.01	5	.22	.02	.12	1	1040
SSH-039R	1	80	5	22	.2	1	2	520	1.12	2	5	ND	13	7	1	2	2	10	.11	.026	23	2	.07	48	.01	5	.23	.03	.09	1	12
SSH-040R	1	210	67	32	6.9	2	2	396	1.07	21	5	9	7	8	1	2	3	7	.07	.018	21	2	.03	40	.01	12	.24	.03	.10	1	4450
SSH-041R	1	28	8	48	.1	2	1	709	.93	3	7	ND	11	6	2	2	2	8	.09	.020	19	2	.03	42	.01	6	.19	.02	.08	1	58
SSH-042R	1	9	7	24	.1	2	2	629	1.03	2	5	ND	12	14	1	2	2	9	.09	.021	23	1	.03	48	.01	5	.25	.03	.08	1	85
SSH-043R	1	20	7	22	.1	2	1	482	.97	2	5	ND	10	20	2	2	2	8	.06	.018	24	2	.02	33	.01	6	.21	.02	.06	1	1
SSH-044R	1	28	3	24	.1	2	2	691	.90	2	5	ND	12	17	1	2	2	5	.06	.017	29	2	.02	408	.01	6	.21	.03	.09	1	12
SSH-045R	2	92	8	5	2.3	1	2	192	.99	21	5	ND	9	9	1	5	3	4	.04	.018	12	1	.02	107	.01	7	.24	.01	.15	1	2690
SSH-046R	1	22	10	21	.1	2	2	810	.96	2	5	ND	13	12	1	2	2	8	.06	.019	26	2	.02	118	.01	2	.20	.02	.08	1	21
SSH-047R	1	11	5	23	.2	2	1	436	.92	2	5	ND	12	6	1	2	2	9	.08	.021	17	2	.05	43	.01	5	.21	.03	.08	1	8
SSH-048R	1	15	3	32	.3	2	2	834	1.21	2	5	ND	14	7	1	2	2	11	.12	.025	25	2	.07	56	.01	5	.27	.04	.09	1	1
SSH-049R	1	99	21	26	.6	3	2	464	1.03	11	5	ND	12	8	1	2	2	8	.07	.021	25	3	.04	47	.01	2	.24	.02	.10	1	680
SSH-050R	1	17	11	40	.2	2	2	485	1.01	3	5	ND	13	8	1	4	2	10	.10	.022	31	3	.04	50	.01	10	.22	.04	.09	1	112
STD C/AU-R	18	61	42	133	7.1	72	29	1062	3.58	42	23	7	39	52	17	18	23	61	.47	.089	39	57	.87	180	.08	38	1.80	.06	.13	13	480

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 8/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-2 File # 87-4071 R

SAMPLE#	AG** oz/t
NS002R	5.73
NS003R	4.62
NS005R	.27
NS007R	1.41
NS012R	.44
NS016R	1.28
NS020R	1.18
NS023R	.35

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

GEOCHEMICAL/ASSAY CERTIFICATE

.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: Rock Chips AU* BY FIRE ASSAY

DATE RECEIVED: SEPT 11 1987 DATE REPORT MAILED: Sept 15/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENG. PROJECT-ELK T-87-2 File # 87-4071

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU* OZ/T	
NS001R	2	178	10	120	.5	88	20	984	5.03	7	5	ND	7	79	1	2	2	101	2.74	.211	31	136	3.65	129	.01	3	2.87	.03	.06	1	.001	1.0m And
NS002R	14	267	3176	136	208.5 ✓	9	2	137	4.02	166	5	48	4	17	1	5	32	17	.09	.037	6	15	.20	59	.01	12	.33	.02	.15	1	1.320	0.27 Qtz vn
NS003R	13	243	7804	143	167.4 ✓	7	2	104	2.81	112	5	16	4	21	1	12	22	9	.11	.032	8	13	.19	89	.01	17	.39	.02	.30	1	.463	0.63m Qtz + Grnt
NS004R	1	127	1238	846	5.0	83	18	854	5.34	37	5	ND	5	86	5	2	2	103	.75	.217	24	131	3.69	1120	.06	2	2.73	.04	.05	1	.015	0.55m Ank And
NS005R	1	305	295	439	10.4	90	18	823	4.65	15	5	ND	5	96	3	2	2	99	1.25	.219	25	132	2.97	184	.19	3	2.31	.09	.07	1	.079	1.50m And
NS006R	1	145	40	131	.9	78	16	620	3.98	17	5	ND	3	137	1	2	2	92	1.55	.232	20	126	2.50	83	.28	13	1.97	.16	.08	1	.002	1.58m And
NS007R	6	310	5815	187	53.6	15	5	552	9.15	316	5	10	3	77	1	2	2	56	.45	.148	14	38	.72	123	.16	3	1.04	.13	.42	5	.255	0.28m Qtz + And
NS008R	1	262	5	294	.1	85	16	559	3.66	14	5	ND	4	191	1	2	2	85	1.69	.226	21	116	2.34	196	.29	5	1.94	.16	.09	1	.002	1.0m And
NS009R	1	45	78	53	.9	32	7	391	2.36	7	5	ND	5	17	1	2	2	33	.32	.060	17	41	1.03	90	.01	3	1.00	.05	.08	1	.003	1.0m Por
NS010R	5	553	29	47	7.4	17	5	226	1.74	13	5	ND	5	19	1	2	2	18	.18	.048	13	27	.54	61	.01	4	.73	.02	.22	1	.010	0.50m Grnt
NS011R	1	86	7	125	.6	83	20	817	5.18	6	5	ND	4	90	1	2	2	127	2.05	.225	24	120	3.62	349	.02	6	2.55	.04	.07	1	.001	1.85m And
NS012R	2	77	324	52	16.3	2	1	127	1.11	31	5	3	6	11	2	4	2	2	.04	.015	23	3	.05	43	.01	5	.27	.01	.20	2	.074	0.33m Qtz + Grnt
NS013R	2	66	19	212	.8	68	20	1840	5.17	23	5	ND	6	71	2	2	2	89	1.26	.241	33	98	2.97	356	.02	15	2.56	.03	.21	1	.005	1.0m Ank And
NS014R	2	96	6	257	.2	87	20	866	4.59	6	5	ND	4	55	3	2	2	104	.76	.227	25	121	2.26	451	.04	2	2.10	.03	.16	1	.001	1.0m And
NS015R	5	707	132	632	5.6	49	17	901	4.32	64	5	ND	7	36	7	2	2	63	.49	.160	25	69	1.00	318	.01	2	1.39	.02	.17	1	.012	0.93m And
NS016R	27	316	1931	346	43.5	10	5	174	4.12	147	5	9	3	16	4	5	2	14	.08	.042	12	19	.11	76	.01	2	.32	.01	.13	1	.254	1.1m Qtz vn
NS017R	10	234	309	681	10.0	75	20	1465	6.35	191	5	ND	6	43	11	4	2	104	.69	.213	30	129	1.97	175	.01	7	2.17	.02	.11	1	.014	1.2m And Fract-Carbo
NS018R	3	63	26	173	.9	54	21	1255	5.64	21	5	ND	6	44	1	2	2	56	1.13	.267	36	81	2.60	219	.01	5	2.64	.01	.19	1	.003	1.0m And " "
NS019R	1	141	19	96	1.5	81	22	785	5.19	10	5	ND	5	58	1	5	2	120	1.19	.230	29	115	3.55	152	.02	2	2.56	.04	.06	1	.003	1.0m "
NS020R	9	568	420	61	37.1	11	4	180	3.19	76	5	7	1	11	1	2	4	10	.11	.031	6	19	.28	55	.01	13	.32	.01	.08	2	.259	0.35m Qtz Vn And
NS021R	1	147	86	222	1.4	53	17	1346	5.51	56	5	ND	5	136	2	2	2	84	1.46	.242	33	87	2.68	346	.11	5	2.49	.05	.14	1	.002	1.0m And
NS022R	4	65	6	209	.8	93	21	1111	5.15	2	5	ND	5	55	4	2	2	106	.97	.248	28	126	2.06	513	.02	11	2.06	.03	.13	1	.002	1.0m Por
NS023R	24	115	740	257	11.8	9	4	146	1.84	72	5	3	2	10	2	2	2	10	.07	.021	5	13	.16	329	.01	15	.25	.01	.05	1	.118	0.50m Qtz And
NS024R	1	47	10	181	.6	94	21	960	5.01	5	5	ND	5	56	2	3	2	109	1.35	.221	31	139	2.99	284	.01	3	2.60	.03	.05	1	.002	1.0m
NS025R	2	19	12	29	.1	20	5	465	1.89	2	5	ND	4	19	1	4	2	20	.21	.062	13	21	.08	48	.01	2	.48	.05	.11	2	.001	Grab FeO clay
NS026R	1	11	12	14	.1	19	2	624	.96	2	5	ND	17	15	1	3	2	4	.15	.020	30	6	.09	41	.01	2	.36	.01	.13	1	.091	Grab Clay
STD C	19	62	36	132	7.1	72	29	1056	4.21	39	22	8	43	52	19	16	22	61	.47	.093	40	66	.87	179	.08	32	1.79	.06	.14	12	-	

✓ ASSAY REQUIRED FOR CORRECT RESULT -

SEPT 15. 87

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-101

GEOCHEMICAL/ASSAY CERTIFICATE

.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: Rock Chips AG## BY FIRE ASSAY. AU## BY FIRE ASSAY

DATE RECEIVED: SEPT 22 1987 DATE REPORT MAILED: Oct 6/87 ASSAYER. DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK #t-87-3 File # 87-4391 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AG## OZ/T	AU## OZ/T
NS-027R	1	12	26	29	.1	17	4	396	1.40	2	6	ND	4	38	1	2	2	17	2.13	.052	13	20	.15	45	.01	2	.53	.03	.10	1	.01	.001
NS-028R	1	16	7	43	.1	31	8	653	1.92	2	5	ND	5	40	1	2	2	23	2.87	.073	15	26	.13	54	.01	22	.51	.03	.12	1	.01	.001
NS-029R	1	7	10	20	.1	9	4	346	1.04	2	5	ND	10	17	1	2	2	10	1.36	.048	22	4	.13	39	.01	8	.44	.02	.09	1	.01	.001
NS-030R	2	4	8	17	.1	6	2	179	.72	2	5	ND	12	8	1	2	3	4	.13	.018	19	2	.03	23	.01	2	.27	.03	.09	1	.02	.001
NS-031R	2	19	7	25	.1	7	3	584	1.39	2	5	ND	13	7	1	2	2	8	.12	.024	22	3	.05	42	.01	4	.28	.03	.08	1	.01	.001
NS-032R	3	19	7	91	.1	22	11	1599	3.66	7	12	ND	3	19	1	2	2	20	.27	.083	25	8	.07	99	.01	11	.56	.03	.10	1	.01	.001
NS-033R	3	21	5	153	.1	34	18	3139	6.22	12	45	ND	4	20	1	2	2	33	.33	.097	37	8	.09	119	.01	5	.67	.02	.11	1	.01	.001
NS-034R	2	19	6	69	.1	17	12	1080	3.62	11	5	ND	4	20	1	2	2	36	.34	.101	27	11	.07	55	.01	8	.62	.03	.08	1	.01	.001
NS-035R	2	11	4	61	.1	15	10	687	3.09	14	5	ND	2	21	1	2	2	39	.34	.097	24	12	.15	50	.01	6	.69	.03	.06	1	.01	.001
NS-036R	2	32	12	84	.3	97	22	975	4.62	14	5	ND	4	94	1	2	2	111	1.77	.190	29	130	3.17	899	.03	2	2.46	.04	.04	1	.01	.001
NS-037R	7	77	64	108	2.4	64	19	1170	5.12	79	5	ND	3	38	1	2	2	97	.77	.183	25	102	2.68	84	.01	2	2.55	.03	.08	1	.08	.016
NS-038R	4	411	140	75	10.6	40	13	613	3.55	36	5	3	3	20	1	2	2	54	.33	.096	14	63	1.52	114	.01	9	1.71	.03	.09	1	.31	.102
NS-039R	2	27	2	82	.1	93	22	892	4.72	7	5	ND	3	46	1	2	2	112	.84	.198	26	135	3.17	145	.03	3	2.52	.03	.06	1	.01	.001
NS-040R	2	100	81	141	1.2	46	13	792	2.92	4	5	ND	5	35	1	2	2	60	.52	.127	25	57	1.74	158	.02	2	1.70	.02	.13	1	.04	.003
NS-041R	2	17	6	86	.1	67	14	790	3.33	5	5	ND	3	34	1	2	2	51	.53	.131	22	77	1.94	356	.01	12	2.02	.04	.09	1	.01	.001
NS-042R	2	44	8	65	.3	70	16	733	3.64	2	5	ND	4	62	1	2	2	78	1.58	.157	23	101	2.48	89	.02	3	2.21	.03	.09	1	.01	.001
NS-043R	1	69	11	71	.5	77	19	807	4.31	2	5	ND	5	108	1	2	2	88	3.69	.176	24	119	3.09	176	.02	3	2.64	.03	.07	1	.01	.001
NS-044R	1	37	63	189	.5	37	16	1154	4.62	4	6	ND	4	110	1	2	2	46	3.19	.204	31	61	2.09	402	.01	2	2.36	.02	.17	1	.01	.001
NS-045R	6	67	1956	320	20.9	48	14	1127	5.50	235	5	4	2	71	3	2	2	68	.68	.144	23	75	1.75	213	.05	7	2.00	.06	.23	1	.60	.120
NS-046R	2	41	27	146	.8	84	20	939	4.28	18	5	ND	4	71	1	2	2	105	1.26	.178	20	133	3.06	147	.18	5	2.50	.08	.05	1	.01	.002
NS-047R	3	42	240	386	1.8	64	16	758	3.81	20	5	ND	2	51	2	2	2	78	.74	.135	20	102	2.44	117	.12	10	2.10	.07	.05	1	.04	.004
NS-048R	1	15	8	50	.1	32	7	406	2.13	3	5	ND	3	17	1	2	3	31	.30	.055	14	36	1.02	77	.01	4	1.10	.05	.06	1	.02	.001
NS-049R	1	15	9	51	.3	30	7	413	2.10	7	5	ND	3	14	1	2	2	28	.29	.053	18	35	.83	78	.01	2	.94	.05	.06	2	.01	.001
NS-050R	19	236	4784	922	25.8	43	13	585	5.35	174	5	9	3	34	5	2	2	54	.34	.107	18	67	1.43	164	.01	2	1.73	.04	.12	1	.75	.265
NS-051R	1	83	80	217	.5	76	18	897	4.13	5	5	ND	4	101	2	2	2	85	3.28	.171	26	115	2.34	724	.01	4	2.33	.03	.08	1	.03	.002
NS-052R	1	19	51	54	.1	34	7	451	2.05	3	5	ND	1	25	1	2	2	20	.47	.053	18	33	.91	335	.01	7	1.18	.04	.09	1	.01	.002
NS-053R	1	28	10	72	.8	74	18	788	3.95	10	5	ND	4	157	1	2	2	93	2.70	.159	19	119	2.74	1670	.16	7	2.23	.07	.05	1	.01	.001
NS-054R	1	21	10	50	.1	37	8	495	2.39	6	6	ND	3	19	1	2	3	34	.32	.057	14	43	1.17	71	.01	2	1.22	.05	.05	1	.01	.001
NS-055R	1	19	7	50	.1	38	7	449	2.31	5	5	ND	2	27	1	2	2	35	.73	.055	19	40	1.09	113	.01	6	1.22	.06	.07	1	.01	.001
NS-056R	1	18	13	52	.1	35	7	459	2.31	6	5	ND	3	14	1	2	5	31	.27	.056	21	38	1.00	65	.01	2	1.17	.06	.08	1	.01	.001
NS-057R	2	30	80	95	.6	39	9	513	2.55	2	5	ND	3	19	1	2	3	36	.39	.071	21	49	1.15	93	.01	2	1.34	.05	.07	1	.04	.001
NS-058R	8	1390	1029	324	62.2	23	12	542	4.52	38	5	12	6	25	3	2	2	32	.26	.077	23	43	.52	889	.01	4	1.14	.02	.18	2	1.75	.346
NS-059R	1	70	19	167	.9	78	19	981	4.40	2	5	ND	5	117	1	2	2	99	3.40	.193	29	118	2.08	1142	.01	2	2.24	.02	.08	1	.02	.002
NS-060R	5	162	700	506	5.9	39	14	930	3.83	28	5	ND	6	43	6	2	2	40	1.22	.135	21	44	.37	411	.01	6	1.08	.02	.18	1	.17	.031
NS-061R	1	25	8	69	.2	40	9	510	2.44	2	5	ND	2	26	1	2	2	37	.62	.071	20	50	1.06	132	.01	6	1.25	.05	.08	1	.02	.001
NS-062R	10	523	483	603	20.3	40	13	513	5.01	70	5	4	3	30	4	2	2	51	.60	.106	17	62	.82	168	.01	5	1.31	.02	.10	1	.56	.151
STD C	19	58	40	132	7.0	67	28	1060	3.88	36	15	7	37	49	17	17	19	55	.46	.081	36	60	.86	176	.06	32	1.88	.06	.13	11	-	-

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AG** OZ/T	AU** OZ/T
NS-063R	1	41	21	87	.8	73	17	975	4.03	2	5	ND	4	104	1	2	6	78	4.11	.189	25	114	1.61	1168	.01	2	1.78	.02	.09	1	.03	.001
NS-064R	1	49	21	123	.1	40	17	1057	5.09	5	5	ND	3	92	1	2	2	75	1.97	.218	27	68	2.23	213	.13	4	2.22	.04	.10	1	.01	.001
NS-065R	2	62	13	101	.2	54	17	974	4.38	25	5	ND	3	117	1	2	2	79	1.44	.215	24	92	2.32	303	.16	3	2.10	.08	.08	1	.02	.001
NS-066R	1	26	2	72	.1	82	14	529	3.20	9	5	ND	2	150	1	2	2	73	1.55	.202	20	107	2.17	84	.19	6	1.77	.14	.06	1	.01	.001
NS-067R	2	17	6	51	.1	44	10	501	2.70	5	5	ND	4	102	1	2	2	59	1.09	.133	21	61	1.63	90	.13	5	1.55	.08	.05	2	.02	.001
NS-068R	1	13	2	46	.1	42	8	502	2.30	4	7	ND	4	29	1	2	5	38	1.07	.081	15	50	1.37	76	.01	3	1.23	.04	.06	1	.01	.001
NS-069R	33	19	7	13	.2	2	1	509	1.02	2	6	ND	12	8	1	2	2	4	.08	.021	27	1	.03	86	.01	3	.17	.03	.08	1	.02	.001
NS-070R	38	11	2	14	.2	1	2	494	1.00	2	5	ND	11	9	1	2	2	3	.08	.019	27	2	.03	62	.01	2	.16	.03	.10	1	.02	.001
NS-071R	29	18	4	13	.1	1	2	495	.97	2	5	ND	13	11	1	2	2	4	.07	.019	21	2	.02	128	.01	4	.16	.04	.09	1	.01	.001
NS-072R	29	21	9	19	.1	3	2	574	.96	3	5	ND	13	10	1	2	2	3	.08	.021	27	2	.03	164	.01	2	.21	.02	.09	1	.01	.001
NS-073R	19	21	15	20	.1	5	2	442	.93	2	7	ND	11	12	1	2	2	4	.08	.018	21	2	.02	506	.01	3	.20	.03	.09	1	.01	.001
NS-074R	11	35	9	52	.3	57	12	935	2.29	5	5	ND	11	111	1	2	2	23	.92	.070	24	47	.54	664	.02	5	.57	.02	.27	1	.01	.001
NS-075R	18	17	12	19	.1	7	3	586	1.13	3	5	ND	12	17	1	2	2	6	.11	.023	25	5	.05	73	.01	4	.25	.03	.09	1	.01	.002
NS-076R	12	7	2	18	.1	3	1	463	.91	3	5	ND	15	11	1	2	2	4	.10	.019	31	3	.03	97	.01	4	.20	.03	.10	1	.01	.001
NS-077R	24	14	4	78	.2	4	3	567	1.12	4	8	ND	16	18	1	2	2	3	.19	.032	25	2	.04	506	.01	2	.27	.02	.11	1	.01	.001
NS-078R	41	52	14	634	.3	40	20	1736	5.09	3	6	ND	5	53	7	2	2	34	.88	.244	34	33	.19	512	.01	2	.82	.01	.16	1	.01	.001
NS-079R	17	63	458	183	14.0	22	14	1258	3.17	42	5	ND	5	55	2	2	2	12	2.27	.114	25	6	.14	340	.01	4	.60	.01	.17	1	.46	.005
NS-080R	9	19	12	85	.1	13	8	1092	2.21	4	5	ND	1	44	1	2	2	22	.65	.113	21	8	.23	485	.01	2	.68	.03	.12	1	.04	.001
NS-081R	13	7	12	41	.2	7	6	654	2.07	12	5	ND	5	69	1	2	2	18	.52	.076	17	5	.21	206	.01	7	.56	.02	.06	1	.01	.001
NS-082R	11	4	2	19	.1	2	2	1099	1.16	13	5	ND	11	23	1	3	2	6	.15	.024	22	2	.06	374	.01	2	.31	.03	.08	1	.01	.001
NS-083R	18	11	25	48	.1	12	6	2049	2.08	7	7	ND	11	25	1	2	3	7	.18	.023	22	2	.10	225	.01	2	.36	.02	.07	1	.01	.001
NS-084R	17	4	8	42	.1	16	8	2604	1.91	3	5	ND	13	19	1	2	2	6	.14	.019	27	1	.05	89	.01	2	.26	.02	.06	1	.01	.001
NS-085R	9	20	10	56	.1	22	12	4588	3.90	3	5	ND	10	42	1	2	2	23	.41	.085	25	36	.12	225	.01	2	.52	.01	.07	1	.01	.001
NS-086R	4	35	21	129	.1	46	23	4306	5.51	4	6	ND	10	50	1	2	2	40	.68	.138	27	58	.22	96	.01	3	.81	.01	.06	1	.02	.001
NS-087R	3	54	7	75	.1	29	16	2919	4.40	2	5	ND	7	63	1	2	4	60	.93	.211	45	80	.20	99	.01	2	1.05	.01	.06	1	.04	.001
NS-088R	3	48	26	264	.2	110	60	9789	12.32	8	13	ND	6	44	1	2	2	72	.93	.214	45	91	.21	271	.01	2	1.06	.01	.11	1	.02	.001
NS-089R	2	70	12	59	.3	26	15	2130	4.36	2	7	ND	5	75	1	2	2	71	1.24	.283	50	98	.28	215	.01	4	1.24	.01	.07	1	.04	.001
NS-090R	2	74	2	73	.1	59	20	2396	3.60	2	5	ND	3	119	1	2	5	71	1.28	.257	32	185	1.51	249	.04	8	2.08	.03	.04	1	.02	.001
NS-091R	3	65	2	148	.1	74	33	5561	6.00	7	5	ND	3	99	1	2	4	86	1.12	.257	39	127	.27	753	.01	2	1.19	.01	.03	1	.01	.001
STD C	19	58	36	131	7.0	67	27	1067	3.87	36	21	8	38	48	17	15	20	55	.45	.084	37	59	.86	174	.06	34	1.87	.06	.13	14	-	-

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604)253-3158 FAX (604)253-1

GEOCHEMICAL/ASSAY CERTIFICATE

.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 K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock Chips AG## BY FIRE ASSAY. AU## BY FIRE ASSAY

DATE RECEIVED: SEPT 28 1987 DATE REPORT MAILED: Oct 14/87 ASSAYER..... DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK #T-87-4 File # 87-4569 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AG## OZ/T	AU## OZ/T	
NS-092R	2	7	6	19	.4	3	3	439	1.14	3	5	ND	16	8	1	2	2	11	.11	.023	29	5	.08	40	.02	2	.39	.05	.10	1	.03	.001	
NS-093R	3	8	8	8	.2	2	1	195	.59	6	5	ND	26	3	1	2	2	3	.04	.006	11	1	.02	17	.01	3	.24	.04	.08	1	.03	.001	
NS-094R	1	6	4	16	.1	2	2	336	.94	4	5	ND	17	4	1	2	2	6	.06	.013	10	3	.05	25	.01	3	.28	.04	.07	1	.01	.001	
NS-095R	2	4	6	29	.1	1	2	557	1.01	3	5	ND	20	19	1	2	2	5	.06	.016	14	1	.02	27	.01	2	.31	.03	.08	1	.01	.001	
NS-096R	3	4	7	30	.3	2	1	156	1.14	5	5	ND	13	33	1	2	2	4	.03	.010	17	2	.03	23	.01	2	.39	.02	.09	1	.01	.001	
NS-097R	1	4	5	35	.2	2	2	709	1.14	2	5	ND	15	14	1	2	2	5	.04	.015	26	1	.03	29	.01	2	.30	.03	.08	1	.01	.001	
NS-098R	4	8	120	120	.6	2	2	767	1.07	16	5	ND	27	13	1	2	2	3	.02	.005	14	2	.03	28	.01	2	.32	.01	.11	1	.01	.001	.4m
NS-099R	4	33	467	147	26.6	1	1	129	1.00	51	5	2	24	8	1	7	2	2	.01	.004	9	1	.01	27	.01	2	.22	.01	.15	1	.88	.053	NS 1260 Appl. w 2-5cm 0-12 Vn
NS-100R	3	25	254	114	.9	2	2	324	.93	20	5	ND	15	10	1	2	2	3	.05	.018	24	1	.02	19	.01	4	.35	.02	.14	1	.04	.001	
NS-101R	14	34	971	39	26.6	2	1	53	1.09	99	5	3	5	4	1	6	2	2	.01	.005	6	2	.01	380	.01	2	.17	.01	.14	2	.78	.129	NS1260 - .25m 0-12 Vn
NS-102R	6	38	1149	99	9.8	1	1	64	1.41	127	5	ND	9	4	1	4	2	4	.02	.014	10	2	.02	33	.01	6	.28	.01	.15	1	.30	.012	NS1260 - 1.0m Arg & FINT
NS-103R	3	19	600	117	4.2	1	1	42	1.29	45	5	ND	8	5	1	2	2	2	.01	.012	13	2	.01	35	.01	2	.21	.01	.17	1	.12	.008	NS1260-1.0m Arg Grit, FO
NS-104R	8	13	696	36	2.8	1	1	30	.78	66	5	ND	8	10	1	2	2	2	.02	.009	15	1	.02	28	.01	3	.27	.01	.16	1	.07	.004	NS1260-1.0S " "
NS-105R	1	13	106	64	.4	2	1	56	.99	9	5	ND	14	10	1	2	2	5	.05	.017	23	3	.02	23	.01	4	.30	.03	.10	1	.01	.001	
NS-106R	2	11	38	144	.5	2	2	903	.98	4	5	ND	16	12	3	2	2	3	.05	.016	27	2	.02	42	.01	4	.28	.03	.11	1	.01	.001	
NS-107R	11	31	299	317	1.9	2	1	1122	2.01	85	5	ND	14	6	3	2	2	2	.02	.014	18	2	.02	53	.01	4	.25	.01	.14	1	.03	.003	NS1260 - .7m Clay/KGHO
NS-108R	3	12	42	216	.6	2	2	1016	1.12	5	5	ND	17	12	4	2	2	3	.05	.017	28	2	.02	62	.01	3	.28	.03	.13	1	.03	.001	
NS-109R	3	8	22	136	.3	2	1	383	.95	3	6	ND	16	17	1	2	2	4	.04	.013	22	2	.03	45	.01	2	.27	.03	.09	1	.02	.001	
NS-110R	8	11	221	276	1.4	2	1	156	1.54	46	7	ND	14	11	1	2	2	1	.02	.010	15	1	.02	145	.01	4	.25	.01	.16	1	.07	.001	
NS-111R	5	39	26	155	.8	2	2	1312	.99	18	5	ND	18	14	3	2	2	3	.04	.011	21	1	.02	152	.01	3	.25	.03	.10	1	.02	.001	
NS-112R	7	21	48	70	.4	1	1	510	.62	9	5	ND	28	7	1	2	2	1	.05	.003	13	1	.02	38	.01	2	.21	.03	.08	1	.01	.001	
NS-113R	3	21	11	98	.4	3	1	723	.94	2	5	ND	17	10	2	2	2	4	.06	.013	23	1	.02	46	.01	4	.22	.03	.09	1	.03	.001	
NS-114R	4	31	11	92	.2	2	2	398	.90	2	5	ND	15	20	1	2	2	3	.07	.010	17	1	.03	53	.01	5	.28	.03	.08	1	.01	.001	
NS-115R	3	35	9	220	.1	15	6	1587	2.31	9	5	ND	4	17	5	2	2	14	.14	.042	15	17	.07	97	.01	2	.49	.03	.09	1	.02	.001	
NS-116R	3	14	24	69	.3	6	3	707	1.36	5	5	ND	15	20	1	2	2	6	.12	.019	18	4	.05	63	.01	4	.28	.03	.07	1	.01	.001	
NS-117R	3	18	34	41	.9	5	2	284	1.40	27	5	ND	13	21	1	2	2	10	.15	.021	15	4	.11	52	.01	4	.40	.03	.13	2	.03	.001	
NS-118R	2	10	6	44	.4	9	2	1173	1.42	2	5	ND	16	15	1	2	2	11	.13	.021	20	3	.05	74	.01	2	.25	.04	.08	1	.01	.001	
NS-119R	1	8	15	69	.7	3	2	236	1.20	3	5	ND	18	6	1	2	2	10	.11	.021	25	3	.04	30	.01	3	.21	.04	.07	1	.03	.001	
NS-120R	1	10	16	89	.8	5	2	239	1.34	6	5	ND	17	10	1	2	2	12	.13	.024	31	5	.06	32	.01	3	.28	.04	.07	1	.01	.001	
NS-121R	2	14	26	78	.7	9	3	184	1.04	8	5	ND	15	16	1	2	2	6	.08	.019	24	7	.04	28	.01	3	.25	.03	.11	1	.02	.001	
NS-122R	3	58	22	74	.7	31	14	781	2.33	7	7	ND	9	32	1	2	2	38	.52	.072	18	48	.40	84	.05	6	.85	.07	.13	1	.02	.001	
NS-123R	2	37	10	158	.4	17	6	725	2.10	8	5	ND	8	41	1	2	2	28	.33	.082	45	12	.29	120	.01	14	.63	.05	.08	1	.03	.001	
NS-124R	6	23	10	97	.1	26	17	2204	5.29	13	5	ND	5	23	1	2	2	28	.50	.070	16	9	.21	242	.01	4	.86	.03	.16	1	.01	.001	
NS-125R	4	10	7	36	.1	5	3	203	1.59	2	5	ND	5	27	1	2	2	28	.43	.076	12	10	.26	73	.01	2	.89	.05	.03	1	.01	.001	
NS-126R	12	12	5	44	.3	7	4	381	1.88	3	5	ND	6	30	1	2	2	31	.43	.078	13	10	.23	86	.01	3	.86	.05	.05	1	.03	.001	
NS-127R	17	23	28	61	.6	14	9	957	2.62	5	5	ND	5	59	1	2	2	33	.53	.100	22	9	.28	1683	.01	2	.60	.05	.11	1	.02	.001	
STD C	18	60	39	132	7.1	71	29	1036	3.92	42	23	7	38	50	17	18	20	56	.49	.083	37	57	.86	176	.08	37	1.82	.08	.12	13	-	-	

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AG** OZ/T	AU** OZ/T	
NS-128R	171	38	3361	285	36.9	7	10	892	5.15	302	5	4	5	4	2	2	2	3	.07	.014	5	5	.03	25	.01	2	.23	.01	.12	1	1.01	.091	N513 10- .4m 30cm Qtz vn
NS-129R	236	97	797	659	12.6	89	28	4467	6.59	33	5	ND	13	33	7	2	3	44	.57	.137	34	87	.18	150	.01	7	.92	.03	.20	3	.38	.003	" 1.0m Diatreme BX clay alt
NS-130R	20	6	31	33	.7	4	2	399	1.22	9	5	ND	15	6	1	2	2	6	.10	.018	24	3	.04	31	.01	2	.27	.03	.11	2	.01	.001	
NS-131R	75	34	60	27	1.6	4	3	596	1.15	22	5	ND	15	14	1	2	2	4	.11	.024	25	4	.05	95	.01	7	.37	.01	.18	1	.03	.018	" 1.0m Diatreme BX
NS-132R	105	31	28	44	.6	10	4	790	1.79	14	5	ND	16	19	1	2	2	7	.19	.047	26	6	.07	101	.01	4	.45	.02	.16	1	.01	.002	
NS-133R	67	63	15	221	.9	32	19	1333	5.45	10	5	ND	8	47	1	2	2	25	.68	.226	52	14	.09	225	.01	19	.62	.03	.23	1	.03	.001	
NS-134R	46	7	9	35	.3	6	3	478	1.57	5	5	ND	17	9	1	2	2	10	.13	.022	23	4	.05	37	.01	2	.29	.04	.08	2	.03	.001	
NS-135R	25	7	6	35	.3	4	2	266	1.50	3	5	ND	18	19	1	2	2	7	.12	.018	27	4	.07	36	.01	6	.41	.03	.09	3	.01	.001	
NS-136R	27	8	13	37	.2	4	3	430	1.25	3	5	ND	17	14	1	2	2	8	.11	.020	37	2	.05	48	.01	2	.32	.03	.07	3	.01	.001	
NS-137R	17	7	9	28	.2	3	2	515	1.36	3	5	ND	18	8	1	2	2	10	.10	.021	25	3	.06	54	.01	2	.30	.04	.08	2	.01	.001	
NS-138R	28	10	7	26	.3	4	2	401	1.23	2	5	ND	21	8	1	2	2	10	.11	.020	18	2	.04	45	.01	3	.26	.04	.06	2	.01	.001	
NS-139R	36	8	5	38	.4	3	2	443	1.30	3	5	ND	19	10	1	2	2	8	.11	.020	17	3	.05	47	.01	6	.31	.04	.08	3	.03	.001	
NS-140R	60	8	11	42	.2	4	3	409	1.45	3	5	ND	16	13	1	2	2	11	.15	.024	14	4	.09	55	.01	3	.40	.04	.08	4	.01	.001	
NS-141R	26	9	3	50	.1	4	2	609	1.32	2	5	ND	13	37	1	2	2	8	.09	.016	18	4	.06	70	.01	3	.35	.03	.06	2	.02	.001	
NS-151R	17	77	1840	615	12.9	17	8	230	6.29	392	5	2	7	34	5	2	2	21	.22	.071	14	16	.15	138	.01	9	.52	.03	.20	4	.39	.051	NS1460 .5 - GRNT, HND RCO
NS-152R	58	365	992	722	23.3	10	8	370	4.46	198	5	10	6	30	6	2	8	9	.16	.030	12	9	.07	75	.01	6	.31	.02	.14	2	.71	.328	" .5m - 25cm Qtz vn
STD C	19	57	36	132	6.9	67	26	1027	3.98	41	21	7	38	49	17	16	20	56	.50	.082	37	58	.88	176	.08	31	1.86	.08	.12	12	-	.001	

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 11/87.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-5 File # 87-4821 R

SAMPLE#	AG** OZ/T	AU** OZ/T
NS-153R	3.32	.780
NS-154R	8.05	.264
NS-155R	4.56	1.260
NS-156R	.29	.026
NS-157R	1.17	.224
NS-158R	2.26	.399
NS-159R	.31	.085
SS-051R	.20	.078
SS-052R	.30	.184
SS-053R	.15	.334
SS-054R	.07	.157
SS-057R	.16	.166
SS-058R	.10	.112

DEC 11 87
Rec'd

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 8 1987
DATE REPORT MAILED: Oct 22/87.

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: Rock Chips
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK t-87-5 File # 87-4821 Page 1

SAMPLE#	AU* ppb
NS-142R	2
NS-143R	26
NS-144R	240
NS-145R	210
NS-146R	2
NS-147R	1
NS-148R	1
NS-149R	2
NS-150R	1
NS-153R	28090
NS-154R	8490
NS-155R	44660
NS-156R	885
NS-157R	8320
NS-158R	14780
NS-159R	2850
NS-160R	39
NS-161R	24
NS-162R	18
NS-163R	5
NS-164R	54
NS-165R	14
NS-166R	4
NS-167R	66
NS-168R	49
NS-169R	12
NS-170R	1
NS-171R	13
NS-172R	1
NS-173R	1
NS-174R	1
NS-175R	2
NS-176R	14
NS-177R	8
NS-178R	5
NS-179R	7

SAMPLE#	AU* ppb
NS-180R	10
NS-181R	5
SS-051R	2630
SS-052R	7790
SS-053R	13305
SS-054R	4405
SS-055R	70
SS-056R	370
SS-057R	6660
SS-058R	4020

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 8/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** BY FIRE ASSAY FROM 1/2 A.T.
AU** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-6 File # 87-4663 R

SAMPLE#	AG** oz/t	AU** oz/t
SS-069R	.14	.282
SS-070R	.19	.133
SS-084R	.08	.062
SS-087R	.52	.055

DEC 11 87

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

DATE RECEIVED: OCT 6 1987
DATE REPORT MAILED: Oct. 10/87.

GEOCHEMICAL ICP ANALYSIS

- SAMPLE TYPE: Rock Chips
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK I-87-6 File # 87-4663

SAMPLE#	AU* ppb	
SS-069R	10940	SS 1100 - 1.0m Hem Alt GRNT - Diabase Bx?
SS-070R	4040	" 1.0m " "
SS-071R	217	" " "
SS-072R	54	
SS-073R	47	
SS-074R	14	
SS-075R	45	
SS-076R	7	
SS-077R	33	
SS-078R	81	
SS-079R	122	
SS-080R	16	
SS-081R	13	
SS-082R	92	
SS-083R	43	
SS-084R	2380	SS 1100 1.0m Prop Alt GRNT FeO on fract
SS-085R	12	
SS-086R	73	
SS-087R	1910	SS 1100 ~30m 3-5cm Qtz Vn 3% Py
SS-088R	32	
SS-089R	58	
SS-090R	2	
SS-091R	1	
SS-092R	1	

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 13 1987
DATE REPORT MAILED: Oct 24/87

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: Rock Chips
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK ~~T-87-7~~ File # 87-4919 Page 1

SAMPLE#	AU* ppb
SS-059R	7
SS-060R	3
SS-061R	1
SS-062R	46
SS-063R	325
SS-064R	41
SS-065R	58
SS-066R	67
SS-067R	124
SS-068R	4
SS-093R	9
SS-094R	365
SS-095R	8
SS-096R	13
SS-097R	23
SS-098R	1
SS-099R	1
SS-100R	1
SS-101R	2
SS-102R	1
SS-103R	7
SS-104R	6
SS-105R	4
SS-106R	7
SS-107R	2
SS-108R	7
SS-109R	6
SS-110R	4
SS-111R	29
SS-112R	11
SS-113R	96
SS-114R	172
SS-115R	131
SS-116R	210
SS-117R	109
SS-118R	345

SAMPLE#	AU* ppb
SS-119R	120
SS-120R	29
SS-121R	100
SS-122R	15
SS-123R	2
SS-124R	42
SS-125R	13
SS-126R	20
SS-127R	17
SS-128R	22
SS-129R	12
SS-130R	11
SS-131R	32
SS-132R	1
SS-133R	1
SS-134R	1
SS-135R	37
SS-136R	3
SS-137R	11
SS-138R	9
SS-139R	1
SS-140R	8
SS-141R	2
SS-142R	1
SS-143R	1
SS-144R	7
SS-145R	1
SS-146R	1

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 8/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** BY FIRE ASSAY FROM 1/2 A.T.
AU** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-8 File # 87-5036 R

SAMPLE#	AG** oz/t	AU** oz/t
SS-185R	.01	.034
SS-207R	.01	.044
SS-261R	.17	.138
SS-277R	.16	.069

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 20 1987
DATE REPORT MAILED: Oct. 27/87

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: Rock Chips
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK 87-8 File # 87-5036 Page 1

SAMPLE#	AU* ppb
SS-147R	9
SS-148R	8
SS-149R	4
SS-150R	56
SS-151R	8
SS-152R	9
SS-153R	18
SS-154R	7
SS-155R	1
SS-156R	11
SS-157R	19
SS-158R	1
SS-159R	85
SS-160R	6
SS-161R	35
SS-162R	19
SS-163R	23
SS-164R	38
SS-165R	1
SS-166R	4
SS-167R	13
SS-168R	65
SS-169R	3
SS-170R	1
SS-171R	6
SS-172R	1
SS-174R	1
SS-176R	132
SS-177R	1
SS-178R	1
SS-179R	1
SS-180R	1
SS-181R	1
SS-182R	1
SS-183R	5
SS-184R	7

SAMPLE#	AU* ppb
SS-185R	1060
SS-186R	39
SS-187R	69
SS-188R	19
SS-189R	1
SS-190R	17
SS-191R	1
SS-192R	9
SS-193R	1
SS-194R	1
SS-195R	1
SS-196R	1
SS-197R	2
SS-198R	1
SS-199R	1
SS-200R	5
SS-201R	1
SS-202R	3
SS-203R	4
SS-204R	1
SS-205R	165
SS-206R	10
SS-207R	1490
SS-208R	83
SS-209R	99
SS-210R	690
SS-211R	26
SS-212R	13
SS-213R	138
SS-214R	32
SS-215R	21
SS-216R	11
SS-217R	4
SS-218R	1
SS-219R	1
SS-220R	1

SAMPLE#	AU* ppb
SS-221R	3
SS-222R	1
SS-223R	8
SS-224R	17
SS-225R	6
SS-226R	1
SS-227R	3
SS-228R	3
SS-229R	5
SS-230R	45
SS-231R	43
SS-232R	3
SS-233R	1
SS-234R	1
SS-235R	1
SS-236R	8
SS-237R	14
SS-238R	25
SS-239R	12
SS-240R	1
SS-241R	1
SS-242R	1
SS-243R	88
SS-244R	6
SS-245R	23
SS-246R	45
SS-247R	8
SS-248R	3
SS-249R	1
SS-250R	4
SS-251R	5
SS-252R	11
SS-253R	3
SS-254R	27
SS-255R	230
SS-256R	74

SAMPLE#	AU* ppb
SS-257R	33
SS-258R	129
SS-259R	81
SS-260R	119
SS-261R	5050
SS-262R	120
SS-263R	24
SS-264R	75
SS-265R	66
SS-266R	74
SS-267R	122
SS-268R	36
SS-269R	29
SS-270R	11
SS-271R	9
SS-272R	6
SS-273R	25
SS-274R	22
SS-275R	163
SS-276R	15
SS-277R	2750
SS-278R	185
SS-279R	120
SS-280R	260
SS-281R	51
SS-282R	77
SS-283R	175
SS-284R	10

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 8/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** BY FIRE ASSAY FROM 1/2 A.T.
AU** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-9 File # 87-5045 R

SAMPLE#	AG** oz/t	AU** oz/t
SS-339R	.02	.552

DEC 11 87

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ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 21 1987
DATE REPORT MAILED: Oct 28/87

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: Rock Chips
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-9 File # 87-5045 Page 1

SAMPLE#	AU* ppb
SS-175R	74
SS-285R	22
SS-286R	5
SS-287R	147
SS-288R	5
SS-289R	88
SS-290R	16
SS-291R	6
SS-292R	8
SS-293R	6
SS-294R	3
SS-295R	4
SS-296R	1
SS-297R	23
SS-298R	43
SS-299R	1
SS-300R	11
SS-301R	46
SS-302R	1
SS-303R	128
SS-304R	42
SS-305R	51
SS-306R	57
SS-307R	41
SS-308R	8
SS-309R	1
SS-310R	2
SS-311R	25
SS-312R	2
SS-313R	1
SS-314R	1
SS-315R	295
SS-316R	42
SS-317R	13
SS-318R	405
SS-319R	355

SAMPLE#	AU* ppb
SS-320R	17
SS-321R	1
SS-322R	165
SS-323R	350
SS-324R	92
SS-325R	64
SS-326R	140
SS-327R	13
SS-328R	8
SS-329R	69
SS-330R	172
SS-331R	540
SS-332R	440
SS-333R	118
SS-334R	410
SS-335R	172
SS-336R	185
SS-337R	136
SS-338R	250
SS-339R	20700
SS-340R	122
SS-341R	152
SS-342R	14

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 29 1987
DATE REPORT MAILED: Nov. 20/87

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: Rock Chips
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: ..... DEAN TOYE, CERTIFIED B.C. ASSAYER

CORDILLERAN ENGINEERING PROJECT-ELK T-87-10 File # 87-5402 Page 1

SAMPLE#	AU* ppb
SS-343R	630
SS-344R	82
SS-345R	290
SS-346R	5110
SS-347R	9360
SS-348R	1410
SS-349R	27
SS-350R	400
SS-351R	18
SS-352R	69
SS-353R	360
SS-354R	54
SS-355R	5
SS-356R	1
SS-357R	1
SS-358R	15
SS-359R	14
SS-360R	9
SS-361R	1
SS-362R	1
SS-363R	5
SS-364R	1
SS-365R	5
SS-366R	1
SS-367R	920
SS-368R	14
SS-369R	70
SS-370R	46
SS-371R	17
SS-372R	120
SS-373R	810
SS-374R	7
SS-375R	4
SS-376R	1
SS-377R	16
SS-378R	1

2 C/R
0 69R
0 70R

(2) Resample -1.3- 5050 ppb
" -1.0m- 10940 ppb
" 1.0m- 4040 ppb

New Averag= 15/3.3m.

NOV 20 87
Ans'd

SAMPLE#	AU* ppb	
SS-379R	1	
SS-380R	1	
SS-381R	4	
SS-382R	14	
SS-383R	7	
SS-384R	1	
SS-385R	1	
SS-386R	1	
SS-387R	1	
SS-388R	1	
SS-389R	1	
SS-390R	1	
SS-391R	1	
SS-392R	1	
SS-393R	2	
SS-394R	1	
SS-395R	1	
SS-396R	1	
SS-397R	1	
SS-398R	1	
SS-399R	1	
SS-400R	1	
SS-401R	1	
SS-402R	1	
SS-403R	1	
SS-404R	1	
SS-405R	1	
SS-406R	1	
SS-407R	7450	.5m 2cm Qtz vn. SS1450
SS-408R	72	
SS-409R	53	
SS-410R	104	
SS-411R	210	
SS-412R	3	
SS-413R	1	
SS-414R	1	

SAMPLE#	AU* ppb
SS-415R	1
SS-416R	1
SS-417R	1
SS-418R	1
SS-419R	1
SS-420R	1
SS-421R	3
SS-422R	1
SS-423R	1
SS-424R	1
SS-425R	72
SS-426R	4
SS-427R	1
SS-428R	1
SS-429R	1
SS-430R	1
SS-431R	2
SS-432R	1
SS-433R	12
SS-434R	96
SS-435R	7810
SS-436R	54
SS-437R	250
SS-438R	5
SS-439R	57
SS-440R	116
SS-441R	8
SS-442R	114
SS-443R	430
SS-444R	106
SS-445R	930
SS-446R	280
SS-447R	49
SS-448R	5480
SS-449R	450
SS-450R	270

SAMPLE#	AU* ppb
SS-451R	186
SS-452R	1130
SS-453R	440
SS-454R	10
SS-455R	7
SS-456R	1
SS-457R	10
SS-458R	8
SS-459R	9
SS-460R	7
SS-461R	1
SS-462R	2
SS-463R	1
SS-464R	1
SS-465R	1
SS-466R	1
SS-467R	1
SS-468R	2
SS-469R	3
SS-470R	65
SS-471R	3530
SS-472R	5010
SS-473R	570
SS-474R	42
SS-475R	11
SS-476R	210
SS-477R	35
SS-478R	11
SS-479R	230
SS-480R	95
SS-481R	580
SS-482R	1250
SS-483R	90
SS-484R	800
SS-485R	150
SS-486R	87

SAMPLE#	AU* ppb
SS-487R	350
SS-488R	260
SS-489R	1210
SS-490R	4
SS-491R	69
SS-492R	24
SS-493R	3
SS-494R	320
SS-495R	57
SS-496R	14
SS-497R	580
SS-498R	220
SS-499R	4
SS-500R	2
SS-501R	91
SS-502R	96
SS-503R	85
SS-504R	39
SS-505R	131
SS-506R	53
SS-507R	25
SS-508R	2540
SS-509R	189
SS-510R	54
SS-511R	106
SS-512R	41
SS-513R	62
SS-514R	1
SS-515R	1
SS-516R	2
SS-517R	1
SS-518R	1
SS-519R	96
SS-520R	15700

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 3 1987
DATE REPORT MAILED: Dec. 14/87

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

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

CORDILLERAN ENGINEERING PROJECT-ELK T-87-10 File # 87-5402 R

SAMPLE#	AG** OZ/T	AU** OZ/T
SS-346R	.10	.143
SS-347R	.21	.270
SS-348R	.12	.036
SS-367R	.02	.026
SS-407R	.67	.604
SS-435R	.55	.220
SS-445R	.38	.024
SS-448R	.15	.152
SS-452R	.05	.032
SS-471R	.24	.100
SS-472R	.25	.140
SS-482R	.08	.049
SS-489R	.01	.029
SS-508R	.07	.070
SS-520R	.17	.405

DEC 17. 87
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APPENDIX "C"

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 13 1987
DATE REPORT MAILED: Oct 22/87

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING File # 87-4925 Page 1

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 010-SA	88	0.40
SS 010-SB	230	1.10
SS 010-SC	70	1.60
SS 010-SD	1045	2.10
SS 010-SE	540	2.60
SS 010-SF	1405	3.10
SS 058-SA	98	0.40
SS 058-SB	395	0.90
SS 058-SC	29	1.40
SS 058-SD	335	1.90
SS 058-SE	730	2.40
SS 058-SF	445	2.90
SS 061-SA	225	1.00
SS 061-SB	136	1.50
SS 061-SC	305	2.00
SS 061-SD	172	2.50
SS 061-SE	159	3.00
SS 067-SA	157	0.50
SS 067-SB	335	1.00
SS 067-SC	325	1.50
SS 067-SD	260	2.00
SS 067-SE	675	2.50
SS 097-SA	47	0.50
SS 097-SB	58	1.00
SS 097-SC	13	1.50
SS 097-SD	850	2.00
SS 097-SE	175	2.50
SS 101-SA	305	0.50
SS 101-SB	8	1.00
SS 101-SC	164	1.50
SS 101-SD	145	2.00
SS 101-SE	44	2.50
SS 107-SA	17	0.50
SS 107-SB	16	1.00
SS 107-SC	25	1.50
SS 107-SD	18	2.00

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS107 SE	28	2.50
SS122 SA	390	0.50
SS122 SB	360	1.00
SS122 SC	650	1.50
SS122 SD	2790	2.00
SS122 SE	860	2.50
SS122 SF	890	3.00
SS128 SA	230	0.50
SS128 SB	131	1.00
SS128 SC	33	1.50
SS128 SD	121	2.00
SS128 SE	29	2.50
SS128 SF	210	3.00
SS135 SA	19	0.50
SS135 SB	110	1.00
SS135 SC	26	1.50
SS135 SD	440	2.00
SS135 SE	59	2.50
SS145 SA	32	0.50
SS145 SB	4	1.00
SS145 SC	170	1.50
SS145 SD	200	2.00
SS145 SE	930	2.50

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 20 1987
DATE REPORT MAILED: Oct. 27/87.

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK File # 87-5046 Page 1

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 500S A	8	0.5
SS 500S B	64	0.9
SS 500S C	76	1.4
SS 500S D	84	1.9
SS 500S E	37	2.4
SS 501S A	35	0.5
SS 501S B	21	1.0
SS 501S C	163	1.5
SS 501S D	59	2.0
SS 502S A	25	0.5
SS 502S B	1	1.0
SS 502S C	189	1.5
SS 502S D	113	2.0
SS 503S A	51	0.5
SS 503S B	19	1.0
SS 503S C	43	1.5
SS 503S D	57	2.0
SS 504S A	6	0.5
SS 504S B	1	1.0
SS 504S C	7	1.5
SS 504S D	29	2.0
SS 505S A	1	0.5
SS 505S B	1	1.0
SS 505S C	8	1.5
SS 505S D	11	2.0
SS 505S E	19	2.5
SS 505S F	84	3.0
SS 506S A	11	0.5
SS 506S B	21	1.0
SS 506S C	75	1.5
SS 506S D	580	2.0
SS 506S E	1030	2.5
SS 506S F	196	2.8
SS 507S A	175	0.5
SS 507S B	27	1.0
SS 507S C	214	1.5
SS 507S D	5420	2.0

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 507S E	1510	2.5
SS 508S A	560	0.5
SS 508S B	156	1.0
SS 508S C	182	1.5
SS 508S D	220	2.0
SS 508S E	96	2.5
SS 508S F	210	3.0
SS 508S G	73	3.5
SS 508S H	64	3.8
SS 509S A	32	0.5
SS 509S B	41	1.0
SS 509S C	200	1.5
SS 509S D	171	2.0
SS 509S E	131	2.4
SS 510S A	17	0.5
SS 510S B	40	1.0
SS 510S C	59	1.5
SS 510S D	350	2.0
SS 510S E	240	2.5
SS 510S F	116	3.0
SS 510S G	137	3.5
SS 511S A	730	0.5
SS 511S B	1130	0.9
SS 511S C	5890	1.4
SS 511S D	950	1.7
SS 512S A	22	0.5
SS 512S B	44	0.9
SS 513S A	156	0.5
SS 513S B	220	1.0
SS 513S C	147	1.5
SS 513S D	53	2.0
SS 513S E	12	2.2
SS 513S F	25	2.7
SS 514S A	59	0.5
SS 514S B	44	1.0
SS 514S C	700	1.5

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 514S D	1	2.0
SS 514S E	8	2.5
SS 515S A	240	0.3
SS 515S B	505	0.8
SS 515S C	855	1.3
SS 515S D	51	1.8
SS 515S E	32	2.3
SS 516S A	220	0.5
SS 516S B	34	1.0
SS 516S C	22	1.5
SS 516S D	285	2.0
SS 516S E	135	2.5
SS 517S A	35	0.5
SS 517S B	27	1.0
SS 517S C	41	1.5
SS 517S D	230	2.0
SS 518S A	78	0.5
SS 518S B	395	1.0
SS 518S C	355	1.5
SS 518S D	590	2.0
SS 519S A	365	0.5
SS 519S B	220	1.0
SS 519S C	270	1.5
SS 520S A	146	0.5
SS 520S B	68	1.0
SS 520S C	132	1.5
SS 520S D	46	2.0
SS 520S E	91	2.5
SS 520S F	395	2.8
SS 521S A	79	0.5
SS 521S B	205	1.0
SS 521S C	162	1.5
SS 521S D	200	2.0
SS 521S E	77	2.5
SS 522S A	133	0.5
SS 522S B	36	1.0

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (meters)
SS 522S C	285	1.5
SS 522S D	149	2.0
SS 522S E	205	2.5
SS 522S F	380	3.0
SS 523S A	34	0.5
SS 523S B	150	1.0
SS 523S C	111	1.5
SS 523S D	65	2.0
SS 523S E	80	2.5
SS 524S A	38	0.5
SS 524S B	34	1.0
SS 524S C	320	1.5
SS 524S D	300	2.0
SS 524S E	122	2.5
SS 524S F	60	3.0
SS 525S A	67	0.5
SS 525S B	285	1.0
SS 525S C	240	1.5
SS 525S D	220	2.0
SS 525S E	58	2.5
SS 525S F	26	3.0

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: NOV 2 1987
DATE REPORT MAILED: Nov. 19/87.

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

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

CORDILLERAN ENGINEERING PROJECT-ELK File # 87-5580 Page 1

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 526 S-A	51	0.5
SS 526 S-B	118	1.0
SS 526 S-C	360	1.5
SS 526 S-D	112	2.0
SS 526 S-E	130	2.5
SS 526 S-F	62	3.0
SS 526 S-G	68	3.5
SS 526 S-H	53	4.0
SS 526 S-I	55	4.5
SS 527 S-A	71	0.5
SS 527 S-B	97	1.0
SS 527 S-C	720	1.5
SS 527 S-D	65	2.0
SS 527 S-E	78	2.5
SS 527 S-F	260	3.0
SS 527 S-G	126	3.5
SS 528 S-A	73	0.5
SS 528 S-B	139	1.0
SS 528 S-C	250	1.5
SS 528 S-D	230	2.0
SS 528 S-E	95	2.5
SS 528 S-F	117	3.0
SS 529 S-A	85	0.5
SS 529 S-B	106	1.0
SS 529 S-C	119	1.5
SS 529 S-D	108	2.0
SS 529 S-E	550	2.5
SS 530 S-A	34	0.5
SS 530 S-B	73	1.0
SS 530 S-C	176	1.5
SS 530 S-D	75	2.0
SS 531 S-A	1860	0.5
SS 531 S-B	2110	1.0
SS 531 S-C	4970	1.5
SS 532 S-A	330	0.5
SS 532 S-B	97	1.0

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 532 S-C	200	1.5
SS 532 S-D	230	2.0
SS 533 S-A	56	0.5
SS 533 S-B	60	1.0
SS 533 S-C	320	1.5
SS 533 S-D	260	2.0
SS 534 S-A	130	0.5
SS 534 S-B	220	1.0
SS 534 S-C	380	1.5
SS 534 S-D	121	2.0
SS 535 S-A	65	0.5
SS 535 S-B	68	1.0
SS 535 S-C	93	1.5
SS 535 S-D	420	2.0
SS 535 S-E	132	2.3
SS 536 S-A	16	0.5
SS 536 S-B	290	1.0
SS 536 S-C	400	1.5
SS 537 S-A	46	0.5
SS 537 S-B	128	1.0
SS 537 S-C	78	1.5
SS 537 S-D	420	2.0
SS 537 S-E	460	2.5
SS 538 S-A	48	0.5
SS 538 S-B	34	1.0
SS 538 S-C	59	1.5
SS 538 S-D	210	2.0
SS 538 S-E	67	2.5
SS 539 S-A	32	0.5
SS 539 S-B	260	1.0
SS 539 S-C	27	1.5
SS 539 S-D	200	1.9
SS 540 S-A	79	0.5
SS 541 S-A	6	0.3
SS 541 S-B	19	0.8
SS 541 S-C	64	1.3

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 541 S-D	151	1.8
SS 542 S-A	14	0.5
SS 542 S-B	11	1.0
SS 542 S-C	110	1.5
SS 542 S-D	172	2.0
SS 543 S-A	84	0.5
SS 543 S-B	167	1.0
SS 543 S-C	72	1.5
SS 543 S-D	665	2.0
SS 543 S-E	285	2.5
SS 543 S-F	19	3.0
SS 543 S-G	13	3.5
SS 543 S-H	17	3.8
SS 544 S-A	33	0.2
SS 544 S-B	7	0.7
SS 544 S-C	77	1.2
SS 544 S-D	19	1.7
SS 544 S-E	62	2.2
SS 544 S-F	92	2.7
SS 545 S-A	4	0.5
SS 545 S-B	27	1.0
SS 545 S-C	176	1.5
SS 545 S-D	30	2.0
SS 546 S-A	1	0.5
SS 546 S-B	14	1.0
SS 546 S-C	2	1.5
SS 547 S-A	40	0.5
SS 547 S-B	3	1.0
SS 547 S-C	81	1.5
SS 547 S-D	14	2.0
SS 548 S-A	10	0.5
SS 548 S-B	38	1.0
SS 548 S-C	43	1.5
SS 548 S-D	235	2.0
SS 549 S-A	11	0.4
SS 549 S-B	7	0.9

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 549 S-C	48	1.4
SS 549 S-D	13	1.9
SS 550 S-A	4	0.5
SS 550 S-B	16	1.0
SS 550 S-C	23	1.5
SS 550 S-D	58	2.0
SS 550 S-E	24	2.5
SS 550 S-F	44	3.0
SS 551 S-A	3	0.5
SS 551 S-B	69	1.0
SS 551 S-C	28	1.5
SS 551 S-D	25	2.0
SS 551 S-E	14	2.5
SS 552 S-A	48	0.5
SS 552 S-B	79	1.0
SS 552 S-C	109	1.3
SS 553 S-A	11	0.5
SS 553 S-B	33	1.0
SS 554 S-A	35	0.5
SS 554 S-B	14	1.0
SS 555 S-A	17	0.5
SS 555 S-B	109	1.0
SS 556 S-A	11	0.4
SS 556 S-B	13	0.9
SS 556 S-C	38	1.4
SS 557 S-A	6	0.3
SS 557 S-B	17	0.8
SS 557 S-C	27	1.3
SS 558 S-A	11	0.5
SS 558 S-B	23	1.0
SS 558 S-C	26	1.5
SS 560 S-A	28	0.5
SS 560 S-B	20	1.0
SS 560 S-C	250	1.5
SS 560 S-D	139	2.0
SS 561 S-A	65	0.5

SAMPLE#	AU* ppb	DEPTH BELOW SURFACE (metres)
SS 561 S-B	440	0.9
SS 561 S-C	525	1.4
SS 561 S-D	610	1.7
SS 562 S-A	89	0.5
SS 562 S-B	179	1.0
SS 562 S-C	705	1.5
SS 562 S-D	490	1.8
SS 562 S-E	940	2.3
SS 563 S-A	21	0.3
SS 563 S-B	470	0.8
SS 563 S-C	161	1.3
SS 563 S-D	440	1.8
SS 563 S-E	213	2.1
SS 564 S-A	118	0.5
SS 564 S-B	141	1.0
SS 565 S-A	380	0.5
SS 565 S-B	183	1.0
SS 566 S-A	109	0.5
SS 566 S-B	210	1.0
SS 566 S-C	220	1.5
SS 567 S-A	136	0.6
SS 568 S-A	15	0.3
SS 568 S-B	31	0.8
SS 569 S-A	52	0.5
SS 569 S-B	430	1.0
SS 570 S-A	97	0.5
SS 570 S-B	112	1.0
SS 570 S-C	280	1.5
SS 571 S-A	27	0.5
SS 571 S-B	80	1.0
SS 571 S-C	106	1.5

APPENDIX "D"

PACIFIC GEOPHYSICAL LTD.

REPORT

ON THE

GEOPHYSICAL SURVEYS

ON THE

ELK CLAIM GROUP

SIMILKAMEEN MINING DIVISION

BRITISH COLUMBIA

For

FAIRFIELD MINERALS LIMITED

LATITUDE: 49°50' N LONGITUDE: 120°02' W

N.T.S. 92 H/16 W

CLAIMS: ELK 1-30

OWNER: FAIRFIELD MINERALS LTD.

By

PAUL A. CARTWRIGHT, P. GEOPH.
Geophysicist

and

MICHAEL J. CORMIER, B.Sc.
Geophysicist

DATED: January 15th, 1988.

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Part A Report

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2) Description of Claims 2
3) Description of Geology..... 3
4) Presentation of Data 4
5) Discussion of Results 5
6) Summary and Recommendations 9
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8) Statement of Cost 12
9) Certificate: Paul A. Cartwright, P. Geoph. 13
10) Certificate: Michael J. Cormier, B. Sc. 14

Part B Illustrations

Location map ..... Figure 1

Claim Map ..... Figure 2

IP Data Plot (pseudosections)..... Dwg. Nos. I.P. 5880- 1 to 12

North Showing - Plan Map of I.P. and Resistivity Anomalies with Magnetic Data Profiles (in pocket)..... Dwg. No.I.P.P. -2043

North Showing - Plan Map of Contoured Magnetic Data (in pocket) ..... Dwg. No. M.P.-2043

North Showing - VLF-EM Data Profiles (in pocket) .. Dwg. No. E.M.-2043

South Showing - Plan Map of IP and Resistivity Anomalies with Magnetic Data Profiles (in pocket).....Dwg. No. I.P.P.-3043

South Showing - Plan Map of Contoured Magnetic Data (in Pocket) ..... Dwg. No. M.P.-3043

South Showing - VLF-EM Data Profiles (in pocket) ...Dwg. No. E.M.-3043

PART A REPORT

1) INTRODUCTION

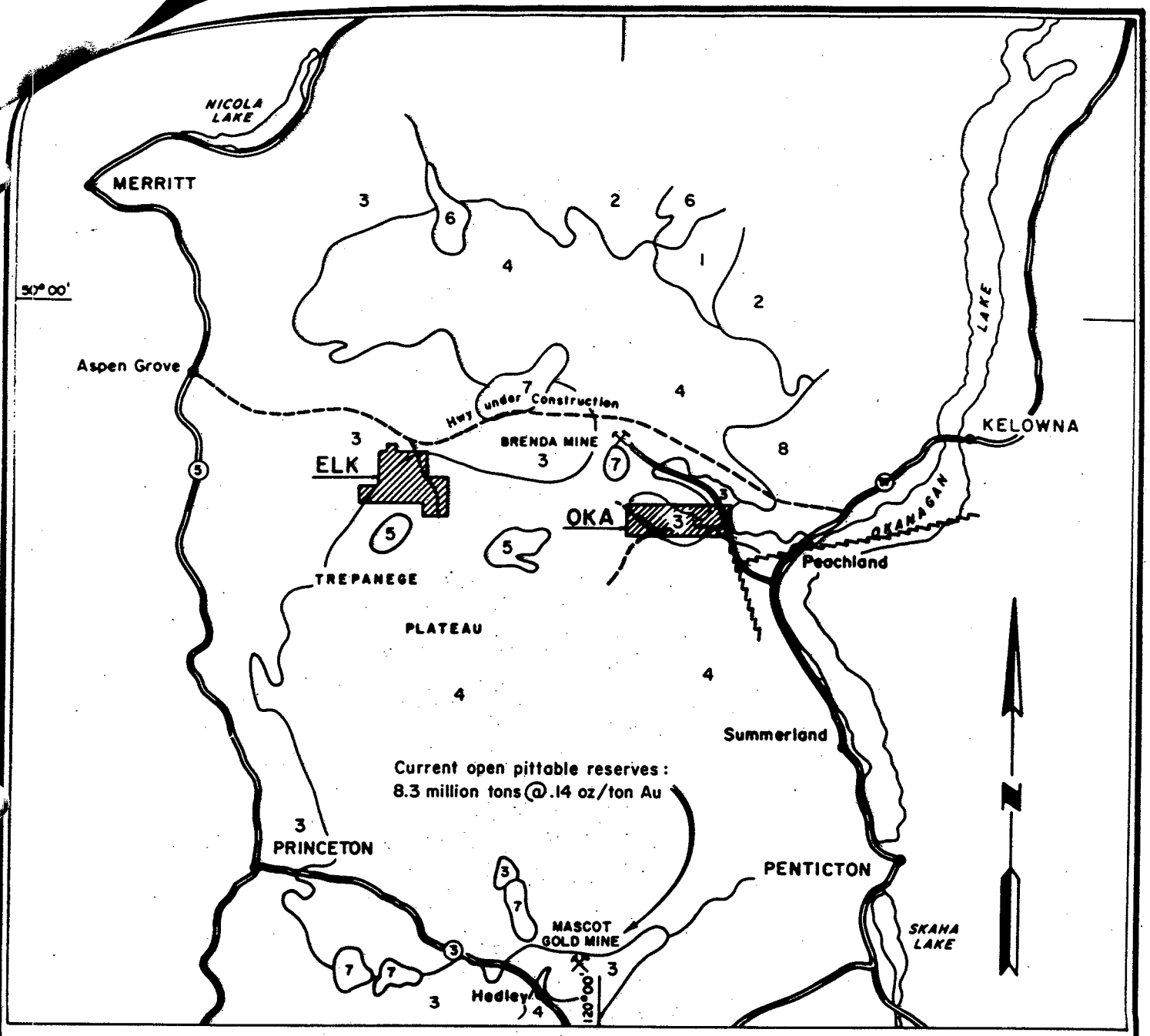
A geophysical program consisting of Induced Polarization (IP) and apparent resistivity, vertical field magnetic and VLF-EM surveys has been completed on the Elk Claim Group, Similkameen Mining Division, British Columbia. The work was commissioned by Cordilleran Engineering Ltd., project managers for Fairfield Minerals Ltd.

The property is located approximately 40 kilometers northwest of Peachland, B.C. and is accessed via a system of paved and gravel roads from the same community.

Previous work on the property has included geological mapping, geochemical soil sampling, chip sampling and trenching. Among the anomalous zones discovered in this work are included the 'North Showing' and the 'South Showing'. The present geophysical surveys concentrate on these particular areas.

The objective of the present program was to test for the presence of metallic sulphide mineralization which could be associated with gold deposits of possible ecomomic interest.

For the IP and resistivity work, a Pheonix model IPV-1 induced polarization and resistivity receiver unit was used, together with a Phoenix model IPT-1 IP and resistivity transmitter powered by a 1 kw motor-generator. IP effects were recorded as Percent Frequency Effect (PFE) at operating frequencies of 4.0 Hz and 0.25 Hz, while apparent resistivity values were normalized in units of ohm-meters. Arrays used to make measurements included dipole-dipole (25 meter electrode separation over both the North Showing and South Showing; 5 meter separation over the North Showing), a modified Schlumberger (over the North Showing only using a 5 meter separation) and gradient (over the South Showing only, using a 5 meter measurement dipole). Four dipole separations were recorded for the dipole-dipole



LEGEND

8	Eocene/Oligocene	Andesite flows
7	Miocene/earlier	Princeton Group – shale, sandstone
6	Miocene/earlier	Kamloops Group – rhyolite, andesite
5	Upper Cretaceous	Otter Intrusions – granite
4	Jurassic/Cretaceous	Coast Intrusions – granite, granodiorite
3	Upper Triassic	Nicola Group – sediments, greenstone
2	Carbonaceous	Cache Creek Group – argillite, quartzite
1	Pre Permian	Chapperon Group – schist

FAIRFIELD MINERALS LTD.

PROPERTY LOCATION AND REGIONAL GEOLOGY

OKA & ELK GOLD PROPERTIES

SOUTH OKANAGAN AREA, B.C.

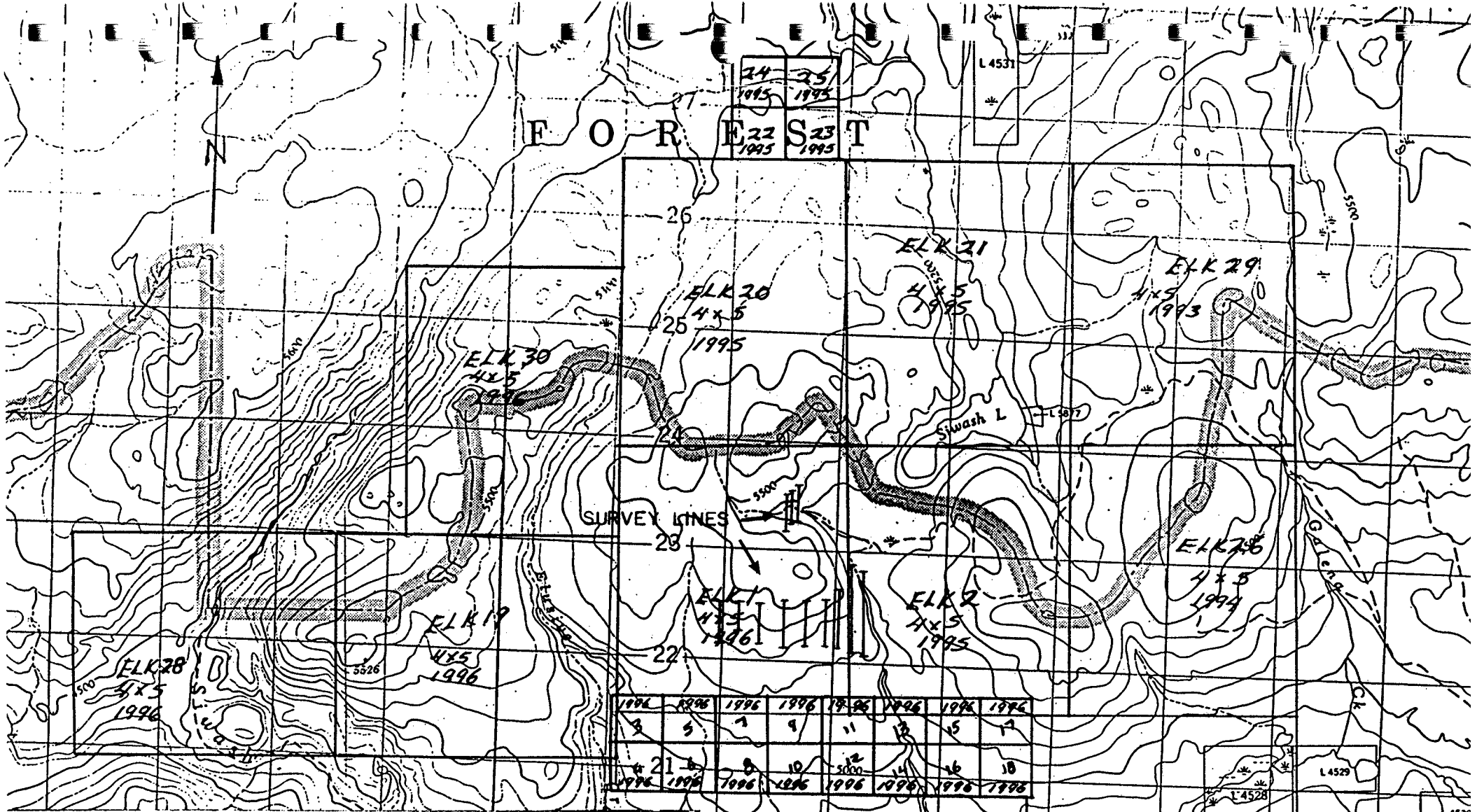
Scale : 1 Inch = 10 Miles

0 10 20

Scale in Miles

CORDILLERAN ENGINEERING LTD.
1980–1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

SEPTEMBER 1987 FIG. 1



FAIRFIELD MINERALS LTD.
ELK PROPERTY

CLAIM MAP

Scale 1:50,000
Similkameen Mining Division British Columbia
NTS 92H 16W
Cordilleran Engineering Ltd.
1980-1055 W.Hastings St.
Vancouver, B.C.

FIG. 2

and modified Schlumberger arrays.

A Phoenix model VLF-2 EM receiver unit was employed during the VLF-EM survey, recording Field Strength and Dip Angle data, using the Hawaii VLF transmitter station and making measurements at 25 meter intervals.

The vertical field magnetic measurements were made using a Phoenix model MV-1 fluxgate magnetometer, with readings taken at 12.5 meter stations.

Field work took place during the period September 4, 1987 to September 13, 1987, under the direction of Paul A. Cartwright, P. Geoph. His certificate of qualifications is included in this report.

2) DESCRIPTION OF CLAIMS

Work on the Elk Claim Group has been applied to 30 contiguous claims totalling 201 units.

CLAIM NAME	RECORD NO.	UNITS	EXPIRY DATE
Elk 1	2737	20	November 28, 1987
Elk 2	2738	20	November 28, 1987
Elk 3	2744	1	November 28, 1987
Elk 4	2745	1	November 28, 1987
Elk 5	2746	1	November 28, 1987
Elk 6	2747	1	November 28, 1987
Elk 7	2748	1	November 28, 1987
Elk 8	2749	1	November 28, 1987
Elk 9	2750	1	November 28, 1987
Elk 10	2751	1	November 28, 1987
Elk 11	2752	1	November 28, 1987

CLAIM NAME	RECORD NO.	UNITS	EXPIRY DATE
Elk 12	2753	1	November 28, 1987
Elk 13	2754	1	November 28, 1987
Elk 14	2755	1	November 28, 1987
Elk 15	2756	1	November 28, 1987
Elk 16	2757	1	November 28, 1987
Elk 17	2758	1	November 28, 1987
Elk 18	2759	1	November 28, 1987
Elk 19	2739	20	November 28, 1987
Elk 20	2740	20	November 28, 1987
Elk 21	2741	20	November 28, 1987
Elk 22	2760	1	November 28, 1987
Elk 23	2761	1	November 28, 1987
Elk 24	2762	1	November 28, 1987
Elk 25	2763	1	November 28, 1987
Elk 26	2742	1	November 28, 1987
Elk 27	2743	20	November 28, 1987
Elk 28	3033	20	September 24, 1987
Elk 29	3034	20	September 24, 1987
Elk 30	3035	20	September 24, 1987

Fairfield Minerals Ltd. is the owner of the claims, with Cordilleran Engineering Ltd. acting as the project manager.

3) DESCRIPTION OF GEOLOGY

The following geological description of the Elk claim group has been made available by Cordilleran Engineering Ltd.:

"The property is underlain by Nicola Group volcanic flows with local pyroclastics and granitic rocks of the Similkameen Intrusions. Granite and volcanics are locally intruded by feldspar porphyry stocks of the Otter

Intrusions and by later andesitic dikes. Gold mineralization is commonly associated with the andesitic dikes and occurs in pyritic veins or with disseminated pyrite in strongly altered granites."

4) PRESENTATION OF DATA

The induced polarization and apparent resistivity results are shown on the following data plots in pseudo-section format.

LINE	ELECTRODE INTERVAL	DWG. NO.
1300E	25 meters	I.P. - 5880-1
1400E (South)	25 meters	I.P. - 5880-2
1500E	25 meters	I.P. - 5880-3
1600E	25 meters	I.P. - 5880-4
1700E	25 meters	I.P. - 5880-5
1800E	25 meters	I.P. - 5880-6
1850E	25 meters	I.P. - 5880-7
2000E	25 meters	I.P. - 5880-8
2100E	25 meters	I.P. - 5880-9
2100E (South-gradient)	5 meters	I.P. - 5880-9a
1400E (North)	25 meters	I.P. - 5880-10
1400E (North)	5 meters	I.P. - 5880-11
1400E (North-modified Schlumberger)	5 meters	I.P. - 5880-12

Also enclosed with this report are Dwg. Nos. I.P.P. - 2043 and 3043, 1:2000 scale plan maps of the North and South Showings respectively. The definite, probable and possible IP anomalies are indicated by bars, in the manner shown on the legend, on each of these maps. These bars represent the surface projection of the anomalous zones as interpreted from the location of the transmitter and receiver electrodes when the anomalous values were measured.

Since the induced polarization measurement is essentially an averaging process, as are all the potential methods, it is frequently difficult to pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the electrode interval length; i.e., when using a 25 meter electrode interval, the position of a narrow sulphide body can only be determined to lie between two stations 25 meters apart. In order to definitely locate and fully evaluate a narrow, shallow source, it is necessary to use shorter electrode intervals. In order to locate sources at some depth, larger electrode intervals must be used, with a corresponding increase in the uncertainties of location. Therefore, while the center of the indicated anomaly probably corresponds fairly well with the source, the length of the indicated anomaly along this line should not be taken to represent the exact edges of the anomalous material.

The vertical field magnetic measurements are presented in two forms: 1) Dwg. Nos. I.P.P. - 2043 and 3043, 1:2000 scale plan maps of the North and South Showings respectively, on which line by line profiles of the data are represented; and 2) Dwg. Nos. M.P.-2043 and 3043, 1:2000 scale plan maps of the North and South Showings respectively, on which the posted and contoured readings are given.

Line profiles of the VLF-EM field strength and dip angle are shown on Dwg. Nos. E.M. - 2043 and 3043, 1:2000 scale plan maps of the North and South Showings respectively.

5) DISCUSSION OF RESULTS

The data from the integrated geophysical program has been interpreted and is discussed below in two parts (Section 1 - North Showing; Section 2 - South Showing).

SECTION 1 - NORTH SHOWING

The quartz vein and the altered zone immediately south of it were tested by IP and resistivity, vertical field magnetic and VLF-EM surveys along Line 1400E.

Magnetic and VLF-EM surveys were also carried out on Line 1350E and on Line 1450E. The reader is referred to Dwg. No. I.P.P. - 2043, a 1:2000 scale plan view which illustrates the interpreted I.P. and resistivity anomalies, as well as the magnetic data in profile form.

The North Showing, located in the vicinity of Station 1385N on Line 1400E is marked by slightly elevated IP effects as well as by decreased apparent resistivity values associated with the altered zone. There are, however, no significant VLF-EM anomalies associated with the showing. Elevated vertical field magnetic values are observed at both the north and south ends of the interpreted IP anomaly over the showing. The same magnetic pattern is also observed on Line 1450E, although it is not seen on Line 1350E.

Another IP and resistivity anomaly is also interpreted as being present at the northern end of Line 1400E, in the vicinity of Station 1462.5N. It is characterized by moderately anomalous PFE values and decreased apparent resitivities. The source of the elevated IP effects appears to be within 25 meters of surface. Although no magnetic correlation with the IP anomaly is felt to exist, a weak VLF-EM conductor axis appears to be coincident with the position of the anomalous IP response. This suggests that the source of both the IP anomaly and the VLF zone are one and the same, with somewhat conductive, polarizable material being present.

A resistivity survey using a modified Schlumberger array was also conducted over the North Showing in an effort to detect possible high resistivities associated with the quartz vein (see Dwg. No. I.P. - 5880-12).The results of this test were somewhat disappointing, in that the location of the quartz vein is not evident in the data, although the altered zone immediately to the south is marked by relatively low apparent resistivities.

SECTION 2 - SOUTH SHOWING

The data from the South Showing grid has resulted in the selection of three

anomalous zones which are illustrated on Dwg. No. I.P.P.- 3043, a 1:2000 scale plan map which includes the IP and resistivity anomalies as well as the magnetic data in profile form. Each of these zones is discussed separately below.

ZONE A

Zone A, the eastern end of which encompasses the South Showing, exhibits IP effects which are moderate in magnitude as well as relatively high magnitude apparent resistivity values. The depth to the top of the causative source is felt to be within one dipole length (25 meters) of the surface. Data collected using the gradient array along Line 2100E indicates a burial depth of less than 5 meters, which is consistent with results obtained from trenching at the South Showing. The gradient data also suggests that the observed anomalies are the result of two separate sources, centered at Station 595N and Station 552.5N on Line 2100E.

No magnetic or VLF-EM anomalies are observed to be coincident with the IP anomalies constituting the zone.

The eastern limit of Zone A remains unknown at this time.

ZONE B

Zone B is the largest feature detected on the South Showing grid. It traverses the entire grid and remains open to both the east and the west.

The IP response exhibited by the data is somewhat varied, with the eastern end of the grid displaying PFE values which are moderate in magnitude. Going west, the IP response decreases somewhat, until the western portion of the grid is reached where fairly high magnitude PFE values ae observed on Line 1400E and on Line 1300E.

Generally, the apparent resistivity data of Zone B appears to indicate that the causative source is not particularly conductive, although occasional low resistivity values are noted. This is consistent with the results of the VLF-EM

survey.

The vertical field magnetic data does not appear to indicate the presence of an appreciable amount of magnetic mineralization in association with Zone B.

Throughout the zone, the depth to the top of the polarizable material is felt to be within 25 meters of surface.

It is our understanding that several trenches have been completed at locations within Zone B, although the results of this work are not known to the authors at this time.

ZONE C

Zone C is similar to Zone B in that its IP response increases from moderate magnitude in the east to relatively high magnitude on Line 1300E, the western most line tested by the present survey. The apparent resistivities also increase going from east to west. This may indicate the presence of disseminated, polarizable material as beng the source of the anomalies as oppposed to more massive, hence more conductive, material. The depth to the top of the causative source is felt to be within 25 meters of surface. As with Zone B, Zone C remains open to the west.

It is the authors' understanding that a trench emplaced between Station 350N and Station 375N on Line 1300E encountered rusty material which could be oxidized sulphides.

In general, the VLF-EM survey results gathered over the South Showing grid do not have a strong correlation with the IP and resistivity data. This would suggest that the source of the VLF anomalies (which tend to be quite weak in most cases), is not the same as that of the IP anomalies. This probably means that the interpreted VLF conductor axes reflect features such as water filled shear zones as opposed to metallic sulhide mineralization.

The vertical field magnetic data gathered over the South Showing grid has yielded a number of anomalous readings, some of which may be construed as forming coherent trends. As with the VLF data, there does not appear to be a strong correlation with the IP data. The possible significance of the magnetic data remains unknown.

6) SUMMARY AND RECOMMENDATIONS

An integrated package of geophysical surveys has been carried out on the Elk claim group, Similkameen Mining Division, British Columbia at the request of Cordilleran Engineering Ltd., project managers for Fairfield Minerals Ltd. The methods used included IP and apparent resistivity, vertical field magnetics and VLF electromagnetics.

IP and resistivity anomalies have been interpreted from the data and are presented on Dwg. Nos. I.P.P. - 2043 (North Showing) and I.P.P. - 3043 (South Showing).

In the case of the North Showing grid, further IP and resistivity surveying should be carried out at the northern end of Line 1400E in order to more completely define the anomaly interpreted as being present there. Also, IP and resistivity testing is recommended on Line 1350E and Line 1450E to determine whether eastern and/or western extensions of the northern anomaly exist. It is the authors' understanding that trenching has been carried out in the vicinity of the North Showing itself. If the results of this work are encouraging, IP and resistivity surveying should be carried out on lines to the east and to the west of the showing so that the strike extent of the zone may be more fully determined.

In the case of the South Showing grid, it is recommended that the anomaly associated with Zone A, on Line 2000E in the vicinity of Station 675N, be tested by trenching. Also, the eastern extent of the South Showing should be more fully defined by the use of IP and resistivity surveying. If the resulting data warrants

it, further trenching could then be carried out to the east of the present day South Showing. Insofar as Zone B and Zone C are concerned, it is our understanding that a certain amount of trenching has been carried out which may have tested these features. If this is the case, and the results are encouraging, it is recommended that further IP and resistivity surveying be carried out on lines located east and west of the present geophysical grid in order to establish the boundaries of these zones. It should be noted that the constituent anomalies of both Zone B and Zone C are increasing in magnitude to the west.

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright, P. Geoph.
Geophysicist

Michael J. Cormier, B.Sc.
Geophysicist

DATED: January 15, 1987

7) ASSESSMENT DETAILS

PROPERTY: Elk Claim Group **MINING DIVISION:** Similkameen

SPONSOR: Fairfield Minerals Ltd. **PROVINCE:** British Columbia

LOCATION: 40 km N.W. of Peachland, B.C.

TYPE OF SURVEY: Induced Polarization and Resistivity
NUMBER OF STATIONS: 236 **NUMBER OF READINGS:** 1312 **KM OF LINE SURVEYED:** 4.50

TYPE OF SURVEY: Vertical Field Magnetics
NUMBER OF STATIONS: 393 **NUMBER OF READINGS:** 393 **KM OF LINE SURVEYED:** 4.775

TYPE OF SURVEY: VLF-EM
NUMBER OF STATIONS: 202 **NUMBER OF READINGS:** 404 **KM OF LINE SURVEYED:** 4.775

OPERATING MAN DAYS: 8.5 **DATE STARTED:** September 4, 1987

CONSULTING MAN DAYS: 5.0 **DATE FINISHED:** September 13, 1987

DRAFTING MAN DAYS: 4.0

TOTAL MAN DAYS: 17.5

CONSULTANTS:

P.A. Cartwright, 4238 West 11th Ave., Vancouver, B.C.
M.J. Cormier, 2242 Stephens St., Vancouver, B.C.

FIELD TECHNICIANS:

B. Counts, 4131 West 16th Ave. Vancouver, B.C.
J. Hudyma, 146 Thor Drive, Kamloops, B.C.
M. Makulowich, 669 Valdes Drive, Vancouver, B.C.

DRAUGHTSMAN:

B. Counts, 4131 West 16th Ave., Vancouver, B.C.

PACIFIC GEOPHYSICAL LIMITED

Paul A. Cartwright

Paul A. Cartwright, P. Geoph.
Geophysicist

DATED: January 15, 1988

8) STATEMENT OF COST

Cordilleran Engineering Limited

A. Induced polarization and Resistivity, Vertical Field Magnetic and VLF-EM Surveys - Elk Claim Group, Smilkameen Mining Division, British Columbia.

PERIOD: September 4, 1987 to September 11, 1987
CREW: P. Cartwright, B. Counts, J. Hudyma

PERIOD: September 12, 1987 to September 13, 1987
CREW: P. Cartwright, B. Counts, J. Hudyma, M. Makulowich

Operating Days: 8.5 @ $915.00/day	$7,777.50
Travel Days: 1.5 @ $590.00/day	885.00
Truck cost (including Fuel & Oil)	684.03
Meals (while travelling) 4.5 man days @ $25.00/day	112.50
	$9,459.03

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright

Paul A. Cartwright, P. Geoph.
Geophysicist

9) CERTIFICATE

I Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4238 W. 11th Ave., Vancouver, B.C.

2. I am a graduate of the University of British Columbia, with a B.Sc. Degree (1970)

3. I am a member of the Society of Exploration Geophysicists, the European Association of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.

4. I have been practising my profession for 17 years.

5. I am a Professional Geophysicist licensed in the Province of Alberta

6. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Cordilleran Engineering Ltd., Fairfield Minerals Ltd. or any affiliates.

7. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

DATED AT VANCOUVER, BRITISH COLUMBIA this 15th day of January, 1988

Paul A. Cartwright

Paul A. Cartwright, P. Geoph.

10). CERTIFICATE

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 2242 Stephens Street, Vancouver, British Columbia.

2. I am a graduate of McGill University, Montreal, Quebec with a B.Sc. Degree (1981).

3. I have been practising my profession for 6 years.

4. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Cordilleran Engineering Ltd., Fairfield Minerals Ltd. or any affiliates.

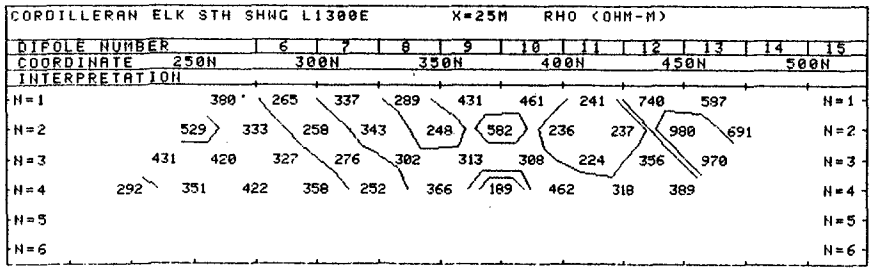
5. The statements made in this report are based on a study of published geological literature and unpublished private reports.

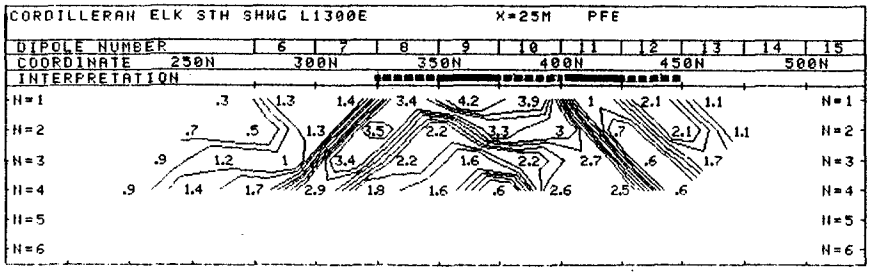
6. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

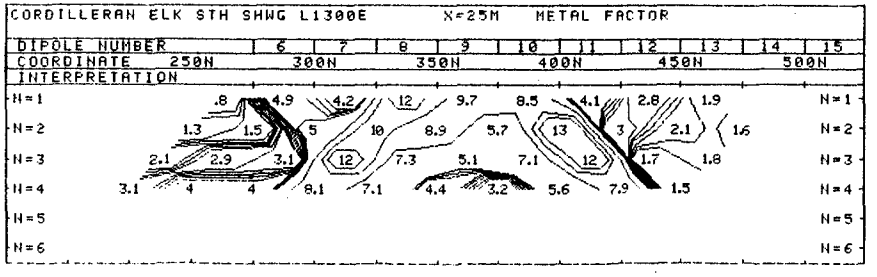
DATED AT VANCOUVER, BRITISH COLUMBIA this 15th day of January 1988.

Michael J. Cormier

Michael J. Cormier, B.Sc.







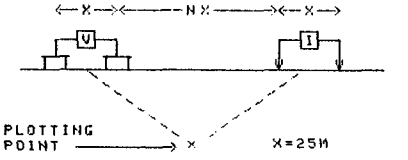
DWG. NO.-I.P.-5880-1

CORDILLERAN ENG.

ELK PROJECT; SOUTH SHOWING

SIMILKAMEEN M.D./B.C.

LINE NO.-13+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

RESIS. CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

DATE SURVEYED: SEPT 1987
APPROVED
MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

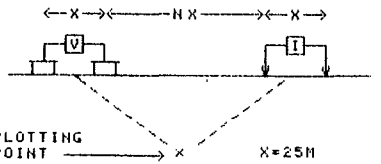
INDUCED POLARIZATION AND RESISTIVITY SURVEY

CORDILLERAN ENG.

ELK PROJECT, SOUTH SHOWING

SIMILKAMEEN M.D., B.C.

LINE NO.-14+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

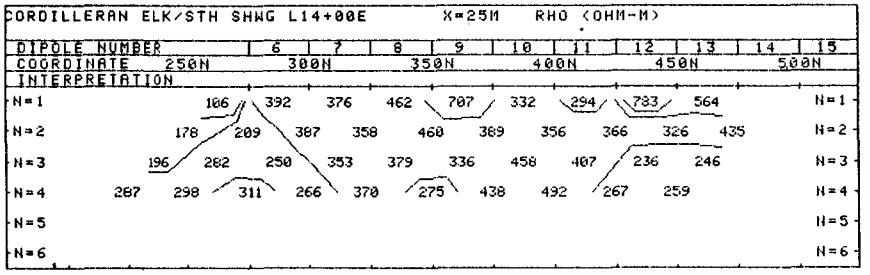
RESIS CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

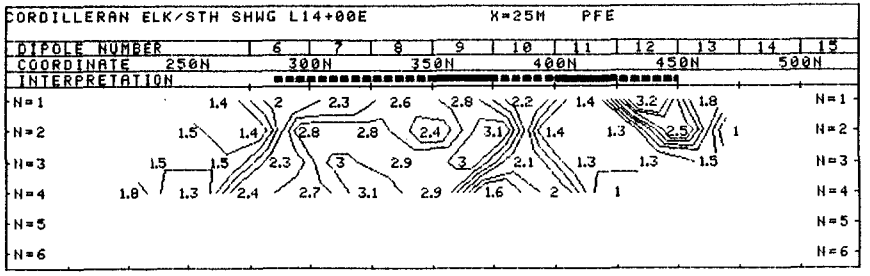
DWG. NO.-I.P.-5800-2

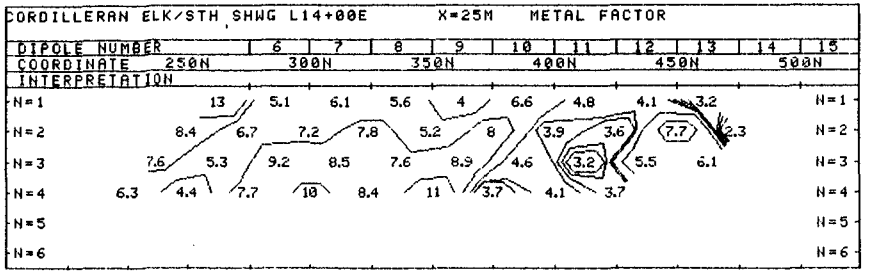
DATE SURVEYED: SEP 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







CORDILLERAN ENG.

ELK PROJECT/ SOUTH SHOWING

SIMILKAMEEN M.D./B.C.

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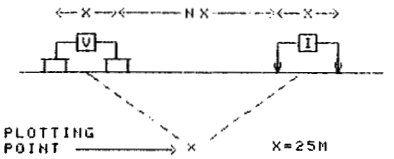

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
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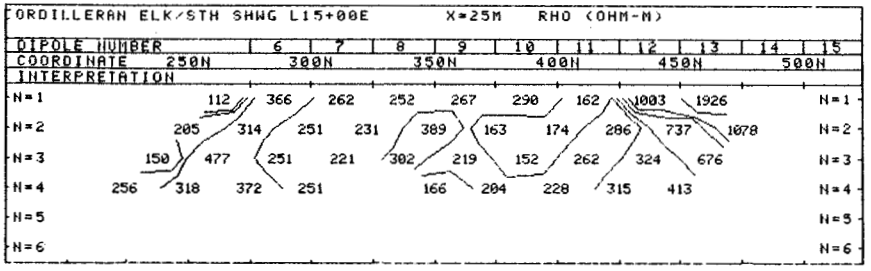
RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

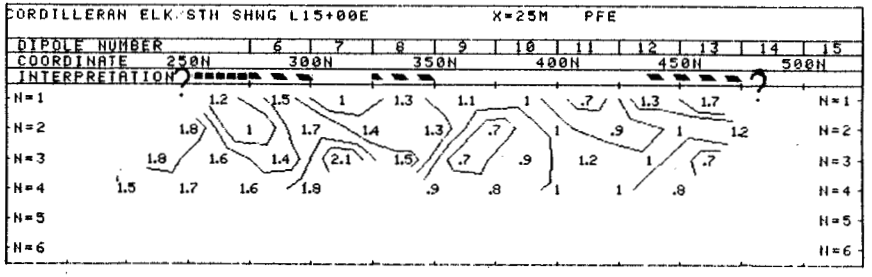
DWG NO -I P -5080-3

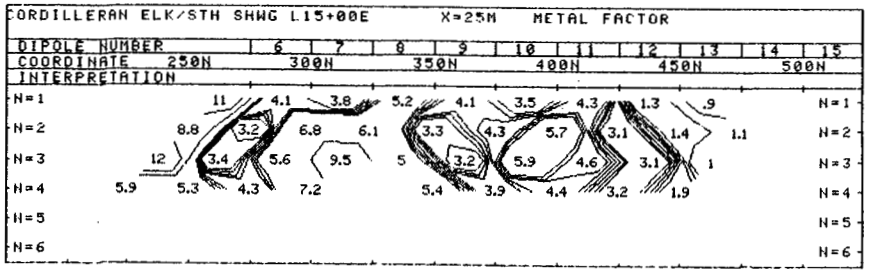
DATE SURVEYED: SEPT 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





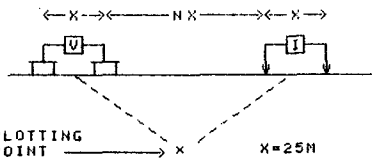


CORDILLERAN ENG.

ELK PROJECT; SOUTH SHOWING

SIMILKAMEEN M.D.,B.C.

LINE NO.-16+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25,4.0

RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

DWG NO.-I P -5880-4

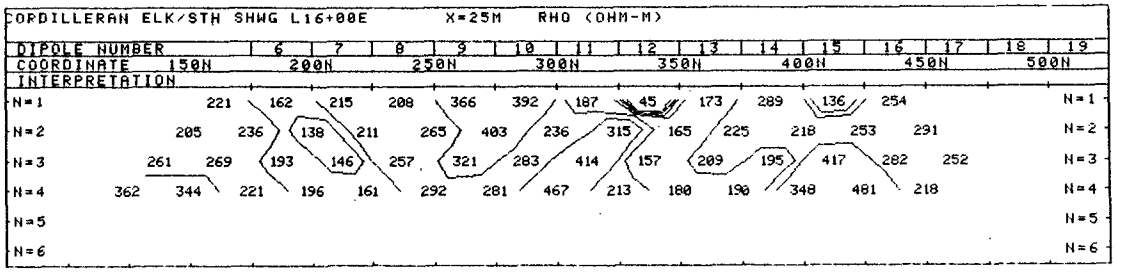
DATE SURVEYED: SEPT 1987

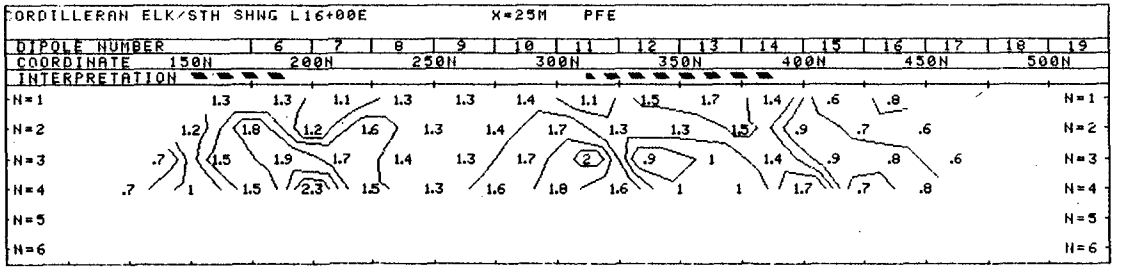
APPROVED MJC

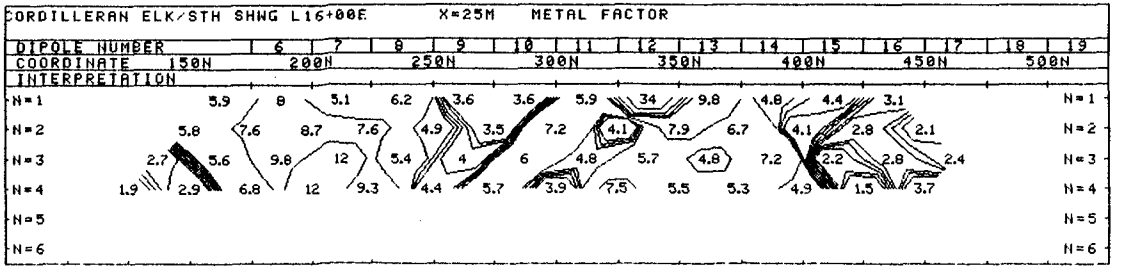
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







CORDILLERAN ENG.

ELK PROJECT, SOUTH SHOWING

SIMILKAMEEN M.D./B.C.

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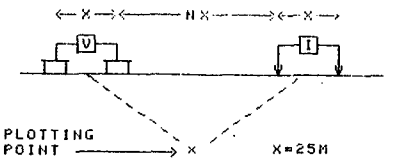


SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

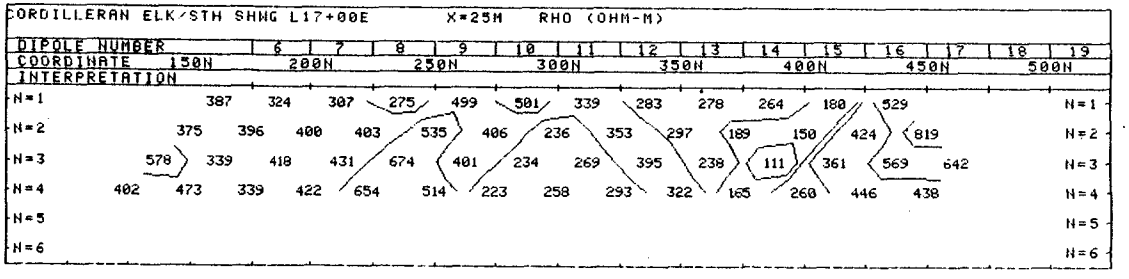
RESIS. CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

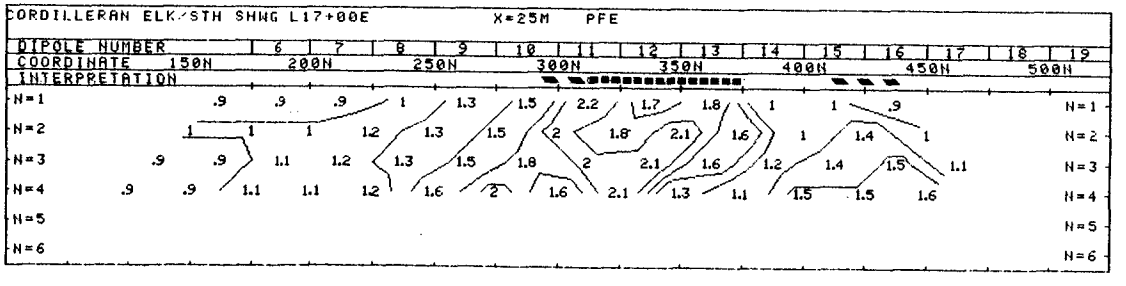
DWG NO.-I.P.-5880-5

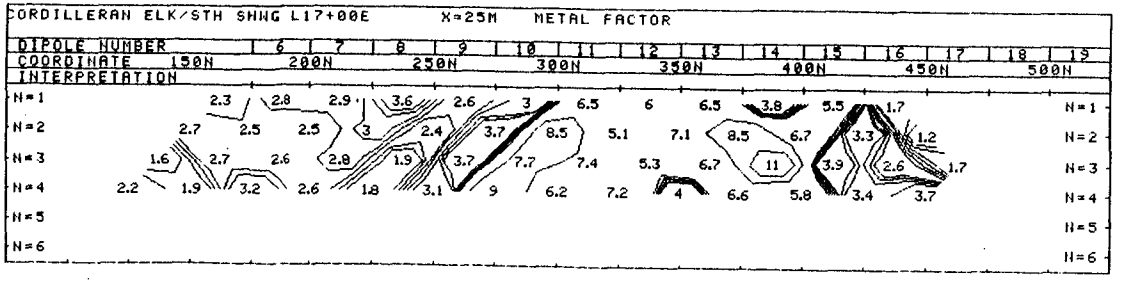
DATE SURVEYED SEPT 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





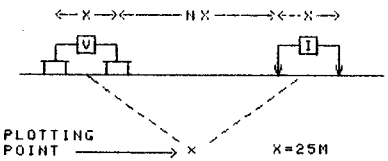


CORDILLERAN ENG.

ELK PROJECT; SOUTH SHOWING

SIMILKAMEEN M.D., B.C.

LINE NO.-18+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

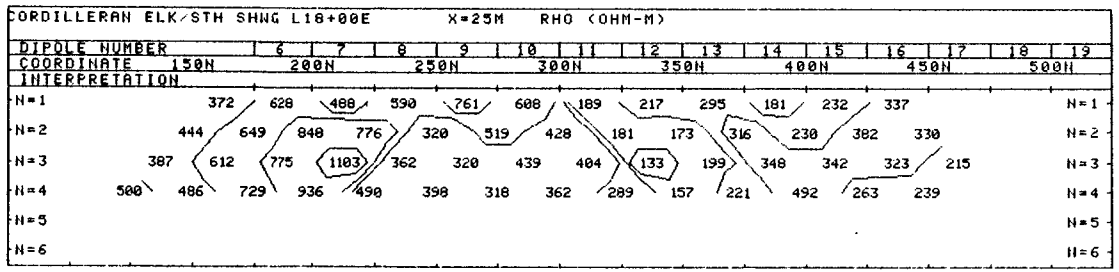
RESIS. CONTOURS
AT LOGARITHMIC
INTERVALS. 1,-1.5
-2,-3,-5,-7.5,-10
PFE CONTOURED
AT 0.25% INTERVALS

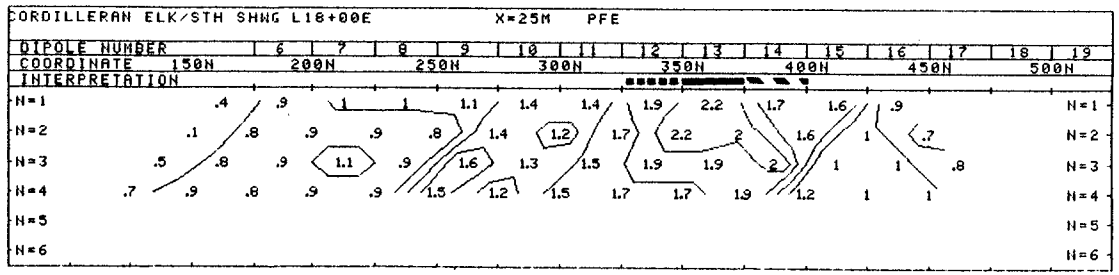
DWG. NO -I.P -5888-6

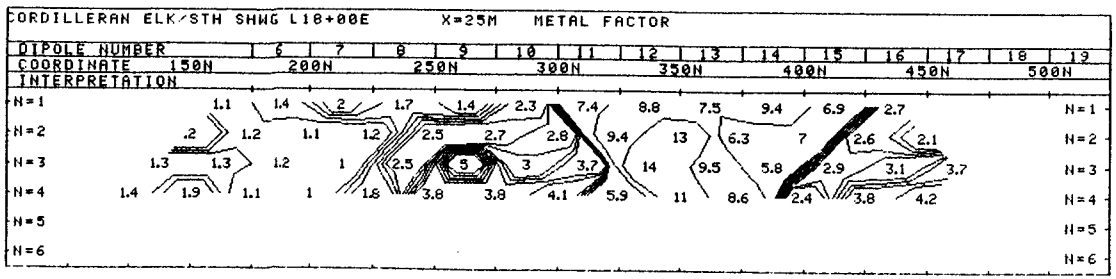
DATE SURVEYED SEPT 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





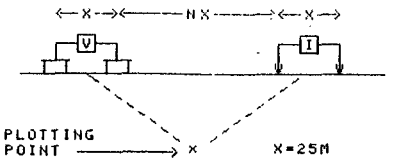


CORDILLERAN ENG.

ELK PROJECT, SOUTH SHOWING

SIMILKAMEEN M.O./B.C.

LINE NO.-18+50E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

DWG NO.-I.P -5880-7

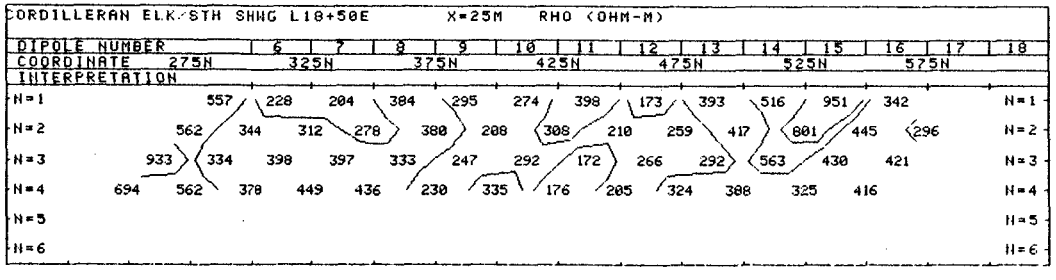
DATE SURVEYED: SEPT 1987

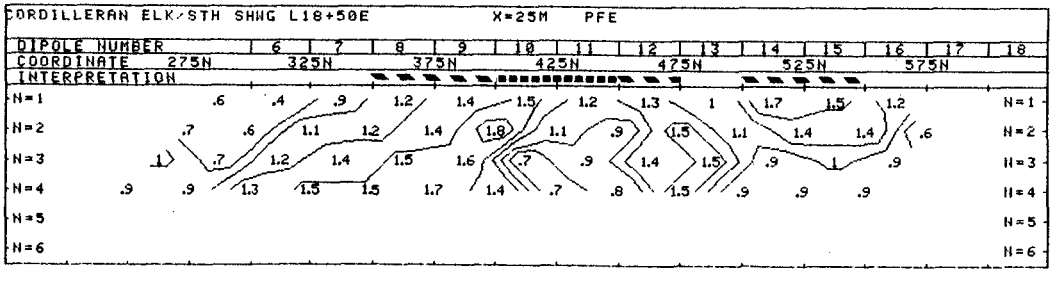
APPROVED MJC

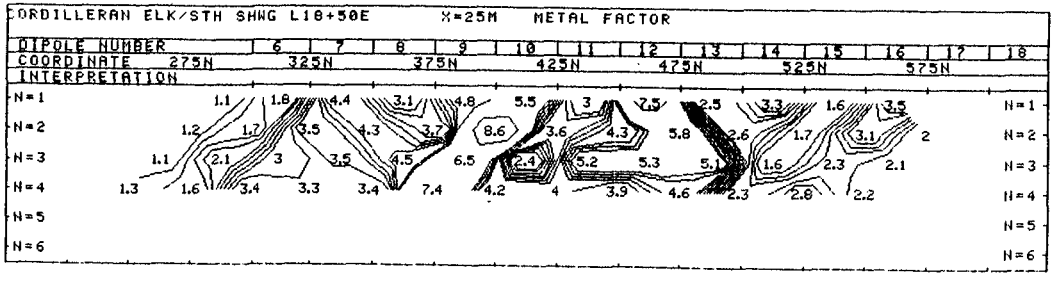
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





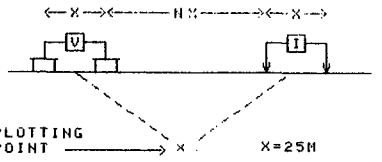


CORDILLERAN ENG.

ELK PROJECT; SOUTH SHOWING

SIMILKAMEEN M.D./B.C.

LINE NO.-20+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

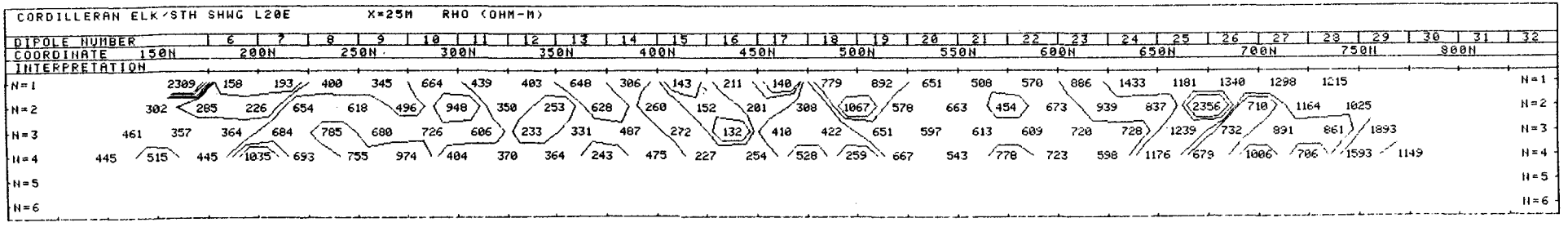
RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

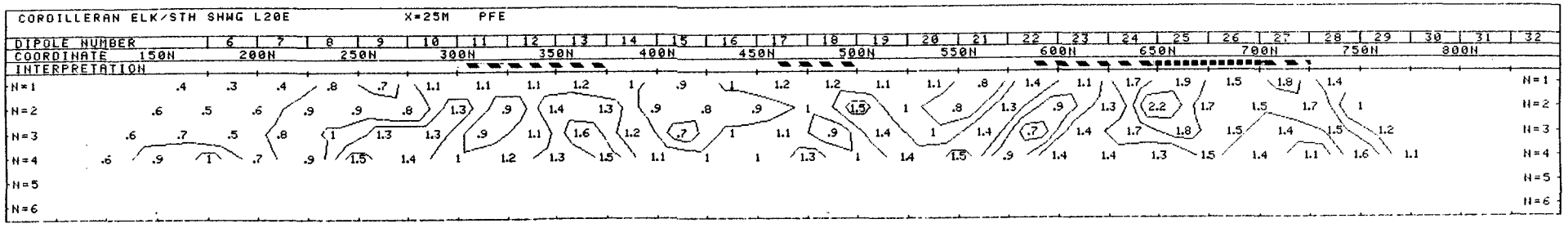
DWG NO.-I P.-5880-8

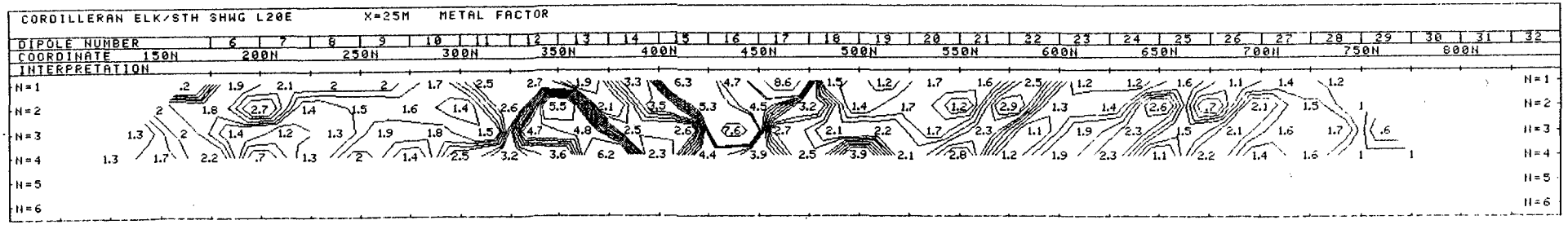
DATE SURVEYED: SEPT 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





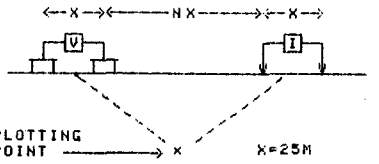


CORDILLERAN ENG.

ELK PROJECT; SOUTH SHOWING

SIMILKAMEEN M.D.,B.C.

LINE NO.-21+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25,4.0

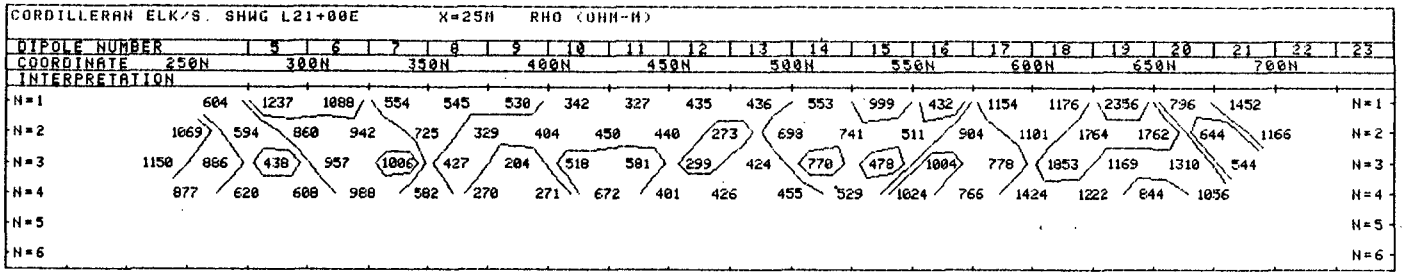
RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

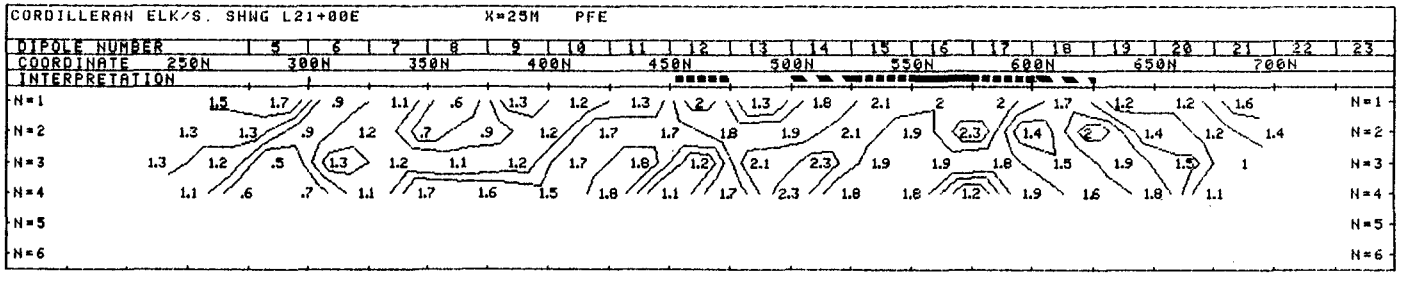
DWG. NO.-I.P.-5880-9

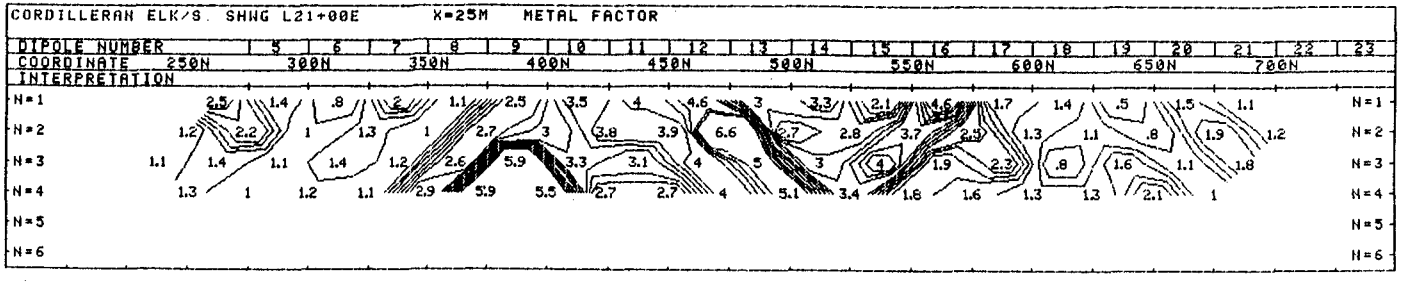
DATE SURVEYED:SEPT 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







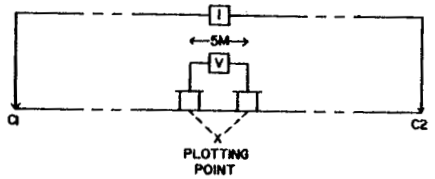
CORDILLERAN ENG.

ELK PROJECT; SOUTH SHOWING

SIMILKAMEEN M.D., B.C.

LINE NO.-21+00E

GRADIENT ARRAY



SURFACE PROJECTION OF ANOMALOUS ZONE

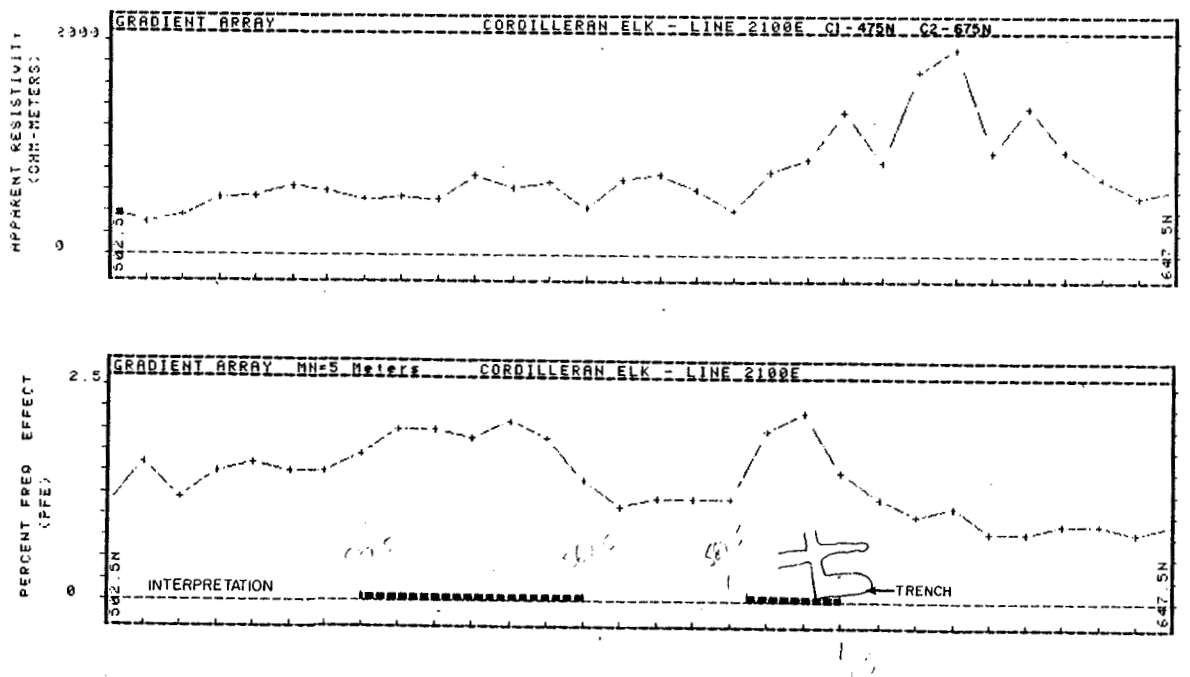
DEFINITE
PROBABLE
POSSIBLE

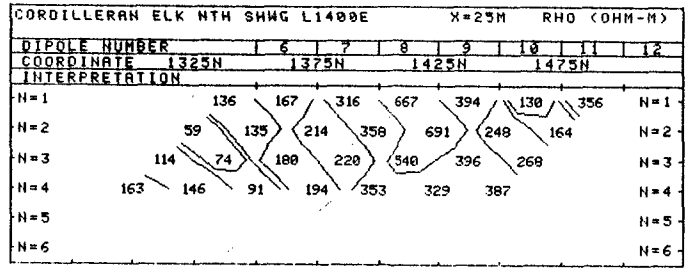
FREQUENCY (HERTZ)
0.25)4.0

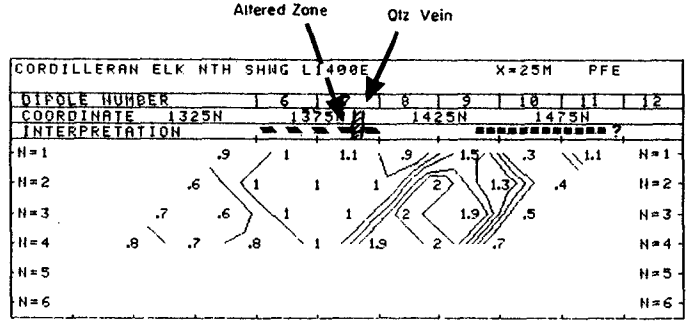
Dwg. No. LP.-5880-9A
DATE SURVEYED-SEPT 1987
APPROVED MJC
DATE Jan 10/88

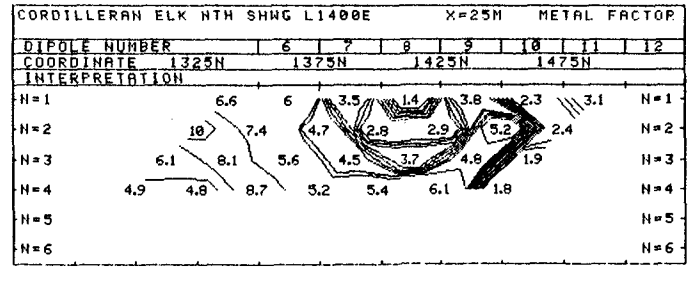
PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY









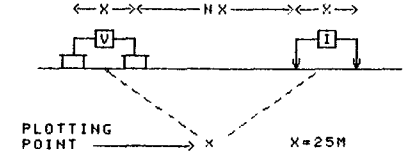
DWG. NO.-I.P.-5880-10

CORDILLERAN ENG.

ELK PROJECT, NORTH SHOWING

SIMILKAMEEN M.D., B.C.

LINE NO.-14+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

RESIS. CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

DATE SURVEYED: SEP 1987
APPROVED

MJC

DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

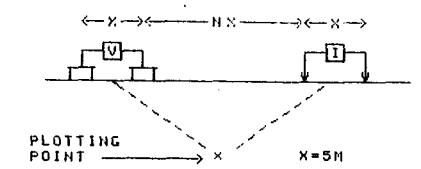
INDUCED POLARIZATION AND RESISTIVITY SUPVEY

CORDILLERAN ENG.

ELK PROJECT; NORTH SHOWING

SIMILKAMEEN M.D./B.C.

LINE NO.-14+00E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
0.25/4.0

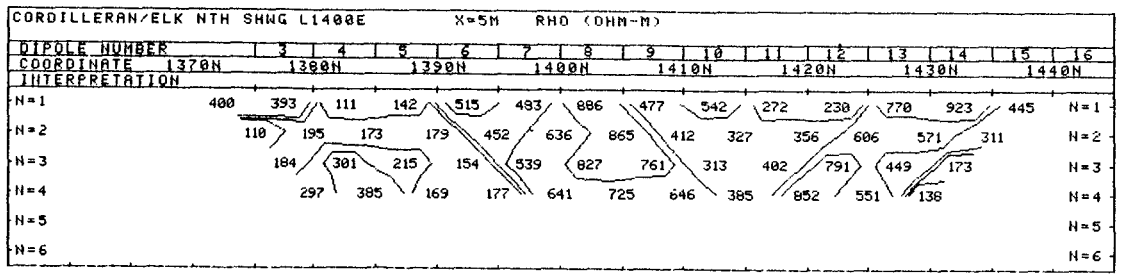
RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10
PFE CONTOURED AT 0.25% INTERVALS

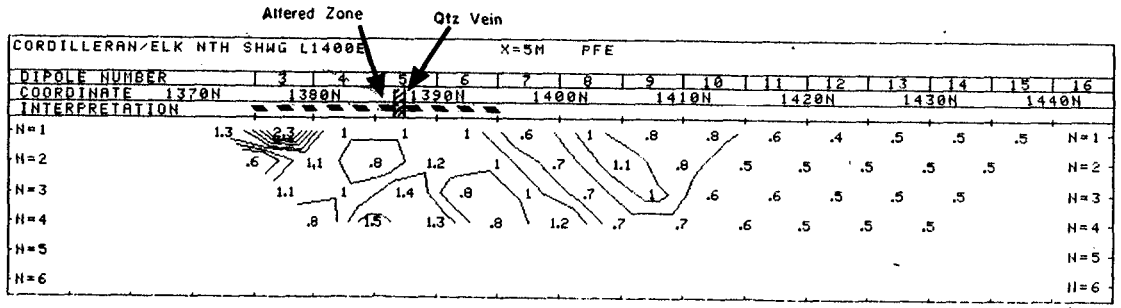
DWG NO.-I.P -5880-11

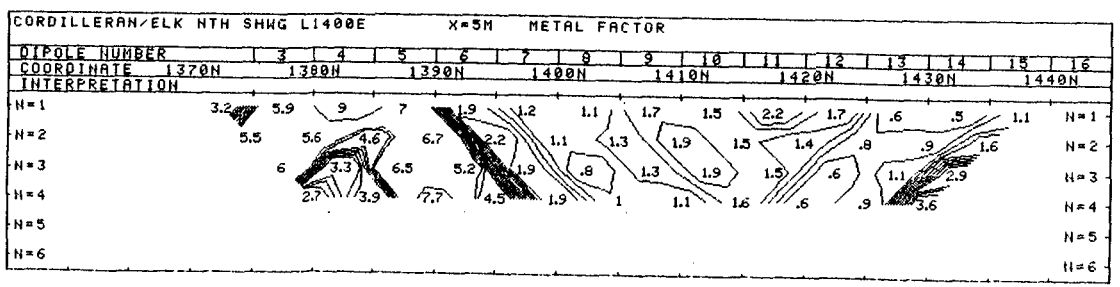
DATE SURVEYED: SEP 1987
APPROVED MJC
DATE Jan 10/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







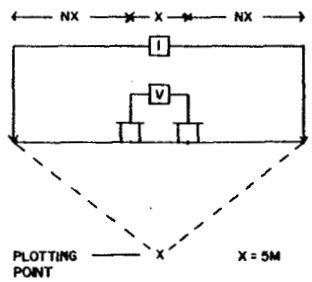
CORDILLERAN ENG

ELK PROJECT: NORTH SHOWING

SIMILKAMEEN M.D./B.C.

LINE NO.-14+00E

RESISTIVITY SURVEY
MODIFIED SCHLUMBERGER ARRAY



FREQUENCY (HERTZ)
4.0

RESIS. CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10

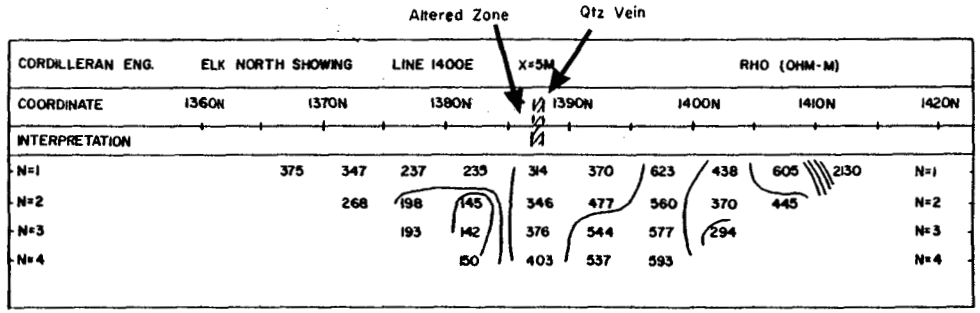
DWG. NO.-I.P -5880-12

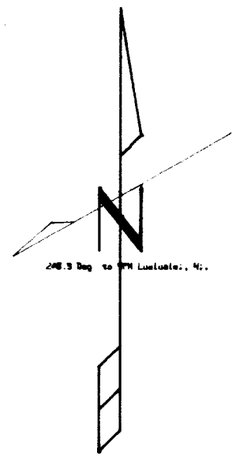
DATE SURVEYED: SEP 1987
APPROVED MJC
DATE Jun 10/88

PACIFIC GEOPHYSICAL LTD.

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE





1350E 1400E 1450E

1600N

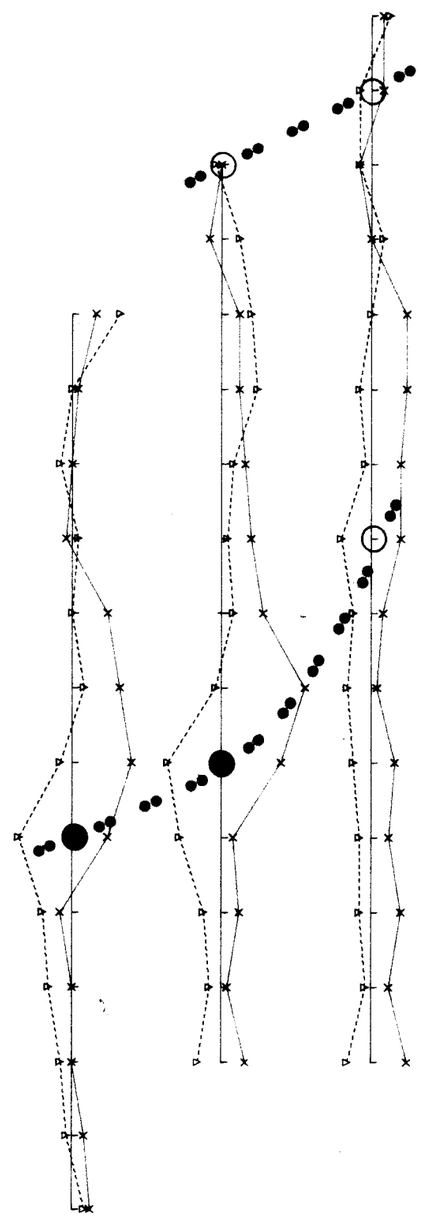
1500N

1400N

1300N

1200N

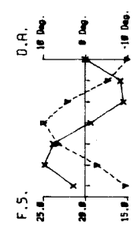
1100N



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

50m 25m 0m 50m 100m



PROPER CROSSOVER

Approved: MJC
Jan. 10/88

To Accompany Report By: P.A.CARTWRIGHT, P.Geoph.
: M.J.CORMIER, B.Sc.

ANOMALY CLASS :Definite
:Probable
:Possible

CONDUCTOR AXIS:

INSTRUMENT: VLF-2

Tx LOCATION: NPM Lualuale, Hr.

FREQUENCY : 23.4 KHz

VERTICAL SCALE DIP ANGLE : 1cm = 10.0 Deg.

VERTICAL SCALE FIELD STR.: 1CM = 5.0

FIELD STR. PROFILE BASE AT : 20.0

DIP ANGLE :

FIELD STRENGTH:

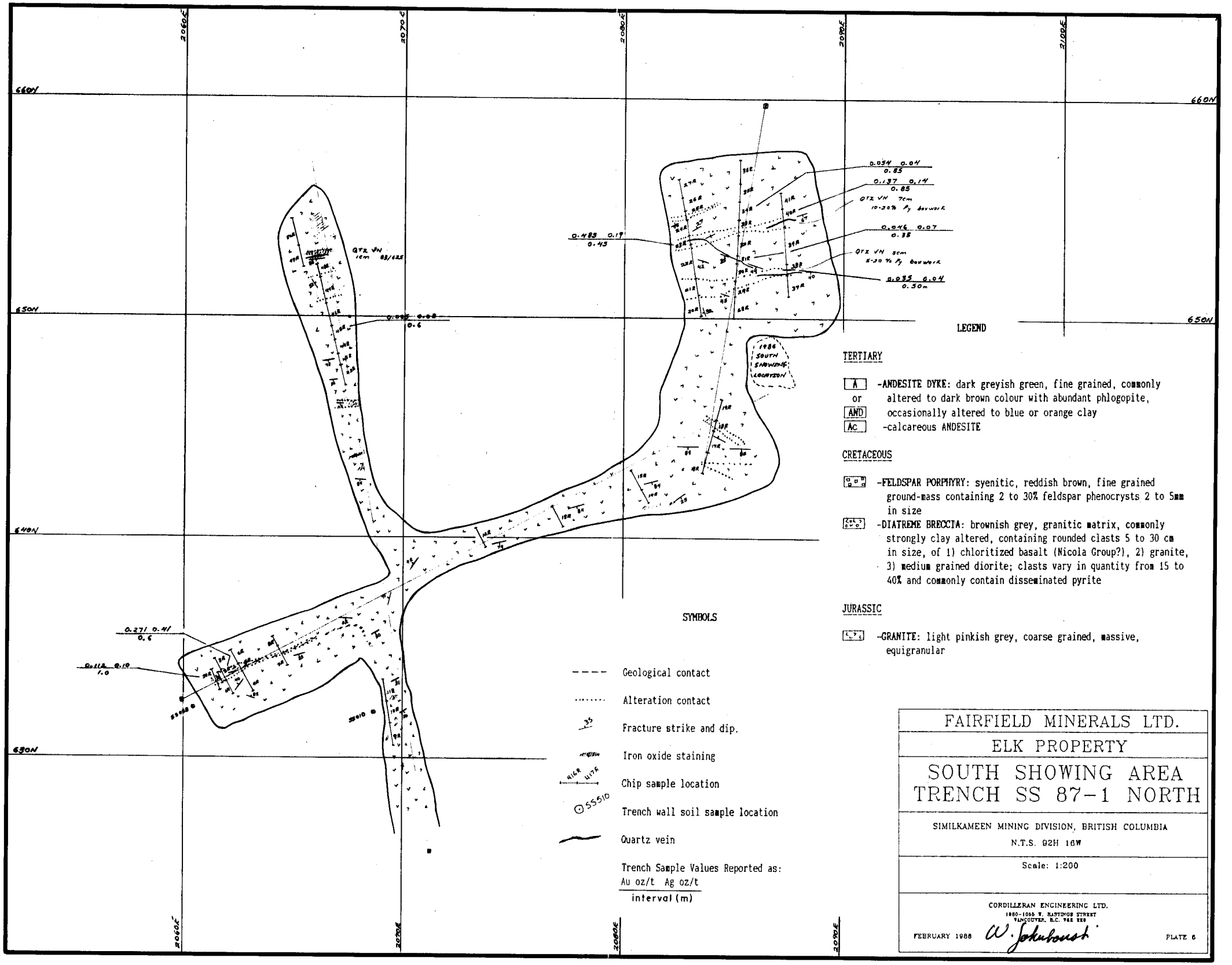
FAIRFIELD MINERALS LTD.

VLF-EM SURVEY

ELK PROPERTY:NORTH SHOWING, SIMILKAMEEN M.D.,B.C.
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2000 DATE : 9/16/87
SURVEY BY : B.A.C. NTS : 92H/16W
FILE: VD181COR Dwg.No.:E.M.-2043

Pacific Geophysical Ltd.



SYMBOLS

- Geological contact
- Alteration contact
- Fracture strike and dip.
- Iron oxide staining
- Chip sample location
- Trench wall soil sample location
- Quartz vein
- Trench Sample Values Reported as: Au oz/t Ag oz/t / interval (m)

LEGEND

TERTIARY

- A or AND -ANDESITE DYKE: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay
- Ac -calcareous ANDESITE

CRETACEOUS

- -FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size
- -DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

- -GRANITE: light pinkish grey, coarse grained, massive, equigranular

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING AREA TRENCH SS 87-1 NORTH

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1980-1066 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988 W. Jakubowski

PLATE 6

1350E

1400E

1450E

1600N

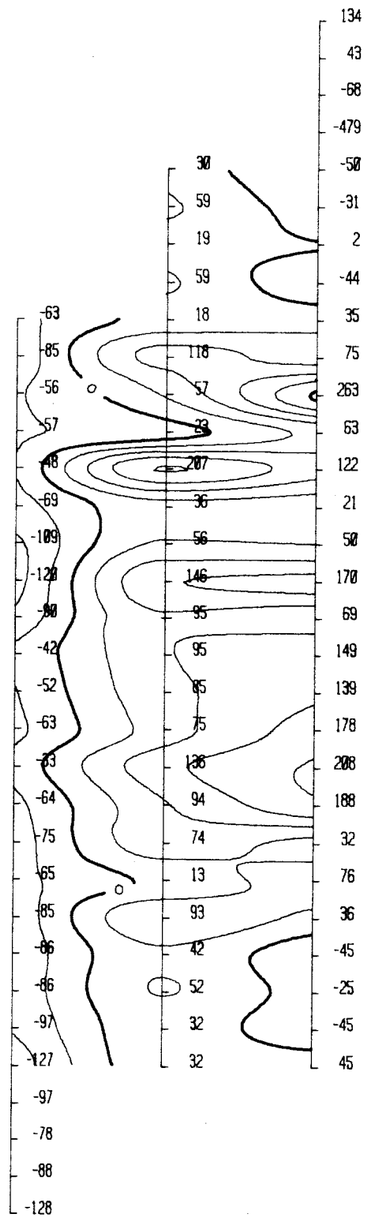
1500N

1400N

1300N

1200N

1100N



50m 0m 50m 100m

Approved: MJC Jan 10/88

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

To Accompany Report By : P.A.CARTWRIGHT, P.Geoph.
: M.J.CORMIER, B.Sc.

INSTRUMENT	: MV-1
FIELD	: Vertical
DATUM	: 0.0 nT
CONTOUR INTERVAL	: 50 nT

(1 pass through a 3 pt. Hanning Filter.)
(1 pass through a 9 pt. Hanning Filter.)

FAIRFIELD MINERALS LTD.

MAGNETOMETER SURVEY
(FILTERED CONTOUR PRESENTATION)
ELK PROPERTY:NORTH SHOWING, SIMILKAMEEN M.D., B.C.
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2000 DATE : 9/16/87
SURVEY BY : B.A.C. NTS : 92H/16W
FILE: MB181COR Dwg.No.: M.P.-2043
Pacific Geophysical Ltd.

1350E

1400E

1450E

1600N

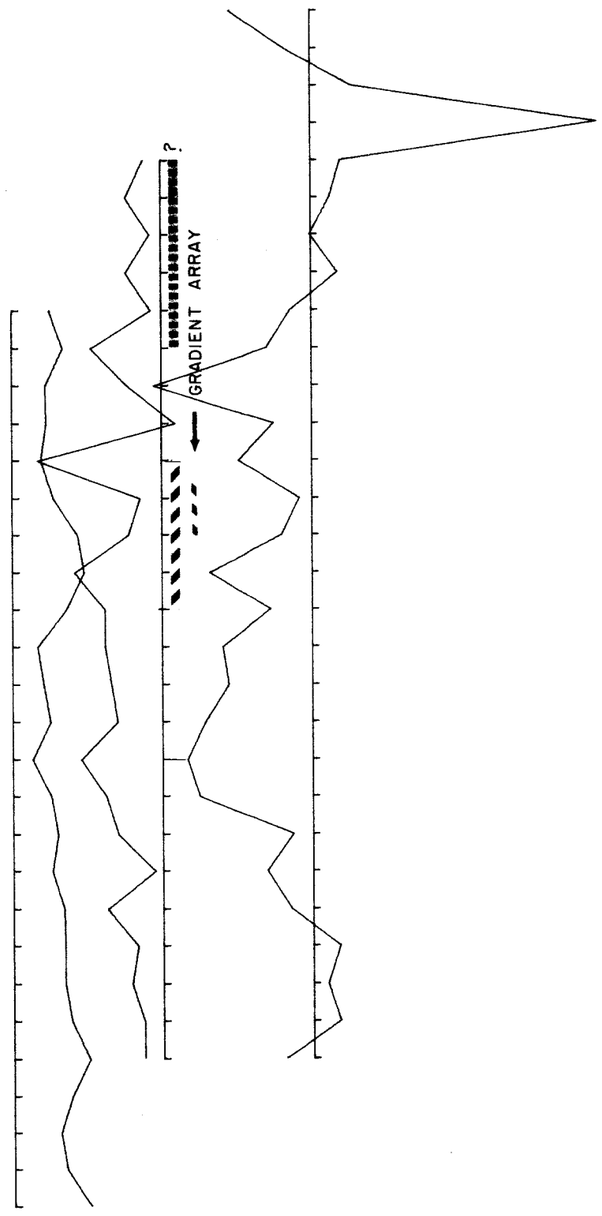
1500N

1400N

1300N

1200N

1100N



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

50m 25m 0m 50m 100m

Approved : MJC
Jan. 10/88

To Accompany Report By : P.A.CARTWRIGHT, P.Geoph.
: M.J.CORMIER, B.Sc.

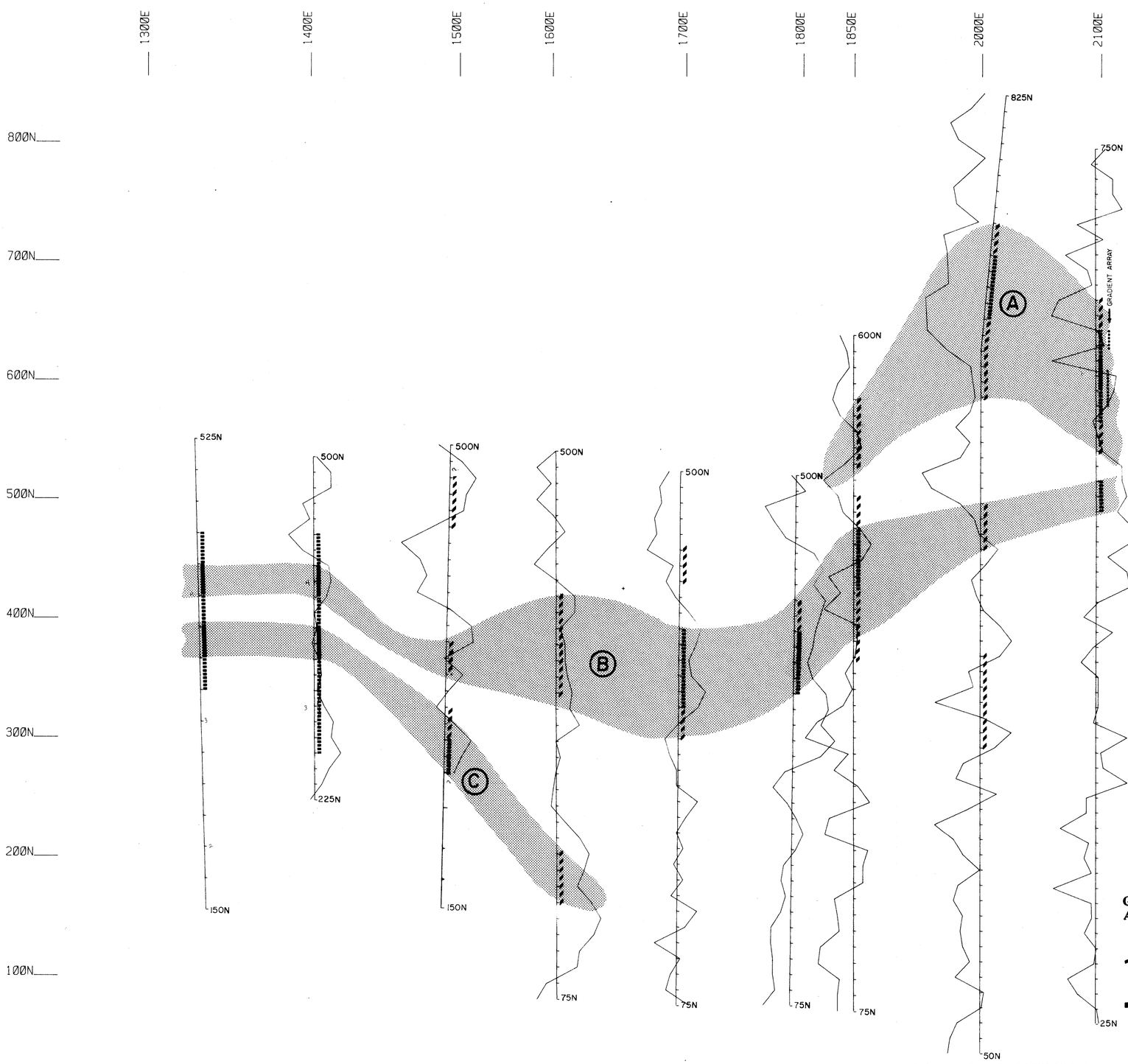
I.P. ANOMALY CLASS : Definite
: Probable
: Possible

MAG. INSTRUMENT : MV-1
MAG. FIELD : Vertical
MAG. PROFILE AMPLITUDE : 100 nT / Cm

FAIRFIELD MINERALS LTD.

INDUCED POLARIZATION & RESISTIVITY SURVEY
MAGNETOMETER SURVEY
ELK PROPERTY:NORTH SHOWING, SIMILKAMEEN M.D., B.C.
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2000 DATE : 9/16/87
SURVEY BY : B.A.C. NTS : 92H/16W
FILE: PB161COR Dwg.No.: I.P.P.-2043
Pacific Geophysical Ltd.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

To Accompany Report By: P.A.CARTWRIGHT, P.Geoph.
: M.J.CORMIER, B.Sc.

Approved: MJC
Jan. 10/88

I.P. ANOMALY CLASS :Definite
:Probable
:Possible

OUTLINE OF ANOMALOUS I.P. ZONES:

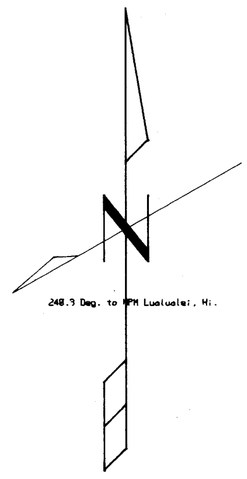
MAG. INSTRUMENT :MV-1
MAG. FIELD :Vertical
MAG. PROFILE AMPLITUDE : 100 nT / Cm

40m 20m 0m 40m 80m

FAIRFIELD MINERALS LTD.

INDUCED POLARIZATION & RESISTIVITY SURVEY
MAGNETOMETER SURVEY
ELK PROPERTY:SOUTH SHOWING, SIMILKAMEEN M.D., B.C.
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2000 DATE : 9/16/87
SURVEY BY : B.A.C. NTS : 92H/16W
FILE: MA181COR Dwg.No.: I.P.P.-3043
Pacific Geophysical Ltd.

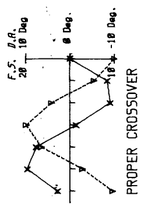


1400E 1500E 1600E 1700E 1800E 1850E 2000E 2100E

800N 700N 600N 500N 400N 300N 200N 100N 0N

825N 750N 600N 500N 500N 500N 500N 500N 500N 250N 225N 75N 75N 75N 75N 50N 25N

?



40m 20m 0m 40m 80m

Approved: MJC
Jan. 19/88

To Accompany Report By: P.A.CARTWRIGHT, P.Geoph.
: M.J.CORMIER, B.Sc.

ANOMALY CLASS :Definite
:Probable
:Possible

CONDUCTOR AXIS :

INSTRUMENT : VLF-2
VERTICAL SCALE DIP ANGLE : 1 cm = 10.0 Deg.
VERTICAL SCALE FIELD STR. : 1 cm = 5.0
FIELD STR. PROFILE BASE : 15.0
TX LOCATION : NPM Lualualei, Hi.
FREQUENCY : 23.4 KHz
DIP ANGLE :
FIELD STRENGTH:

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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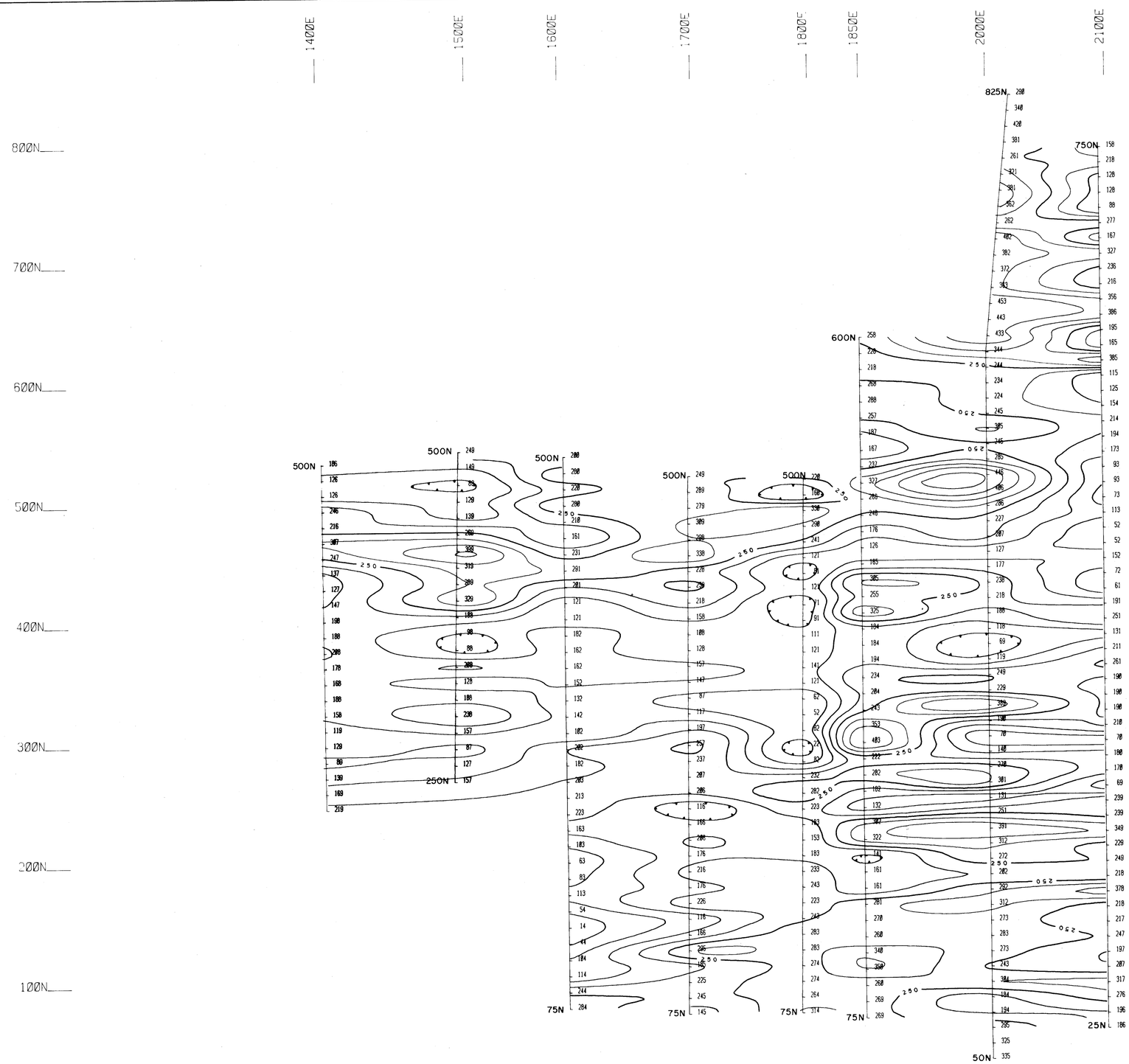
FAIRFIELD MINERALS LTD.

VLF-EM SURVEY

ELK PROPERTY:SOUTH SHOWING, SIMILKAMEEN M.D.,B.C.
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2000 DATE : 9/16/87
SURVEY BY : BAC NTS : 92H/16
FILE: VC181COR Dwg.No.: E.M.-3043

Pacific Geophysical Ltd.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

To Accompany Report By: P.A.CARTWRIGHT, P.Geoph.
: M.J.CORMIER, B.Sc.

MAG. INSTRUMENT : MV-1
MAG. FIELD : Vertical
DATUM : 0.0 nT
CONTOUR INTERVAL : 50 nT

(1 pass through a 3 pt. Hanning Filter.)
(1 pass through a 9 pt. Hanning Filter.)

40m 20m 0m 40m 80m

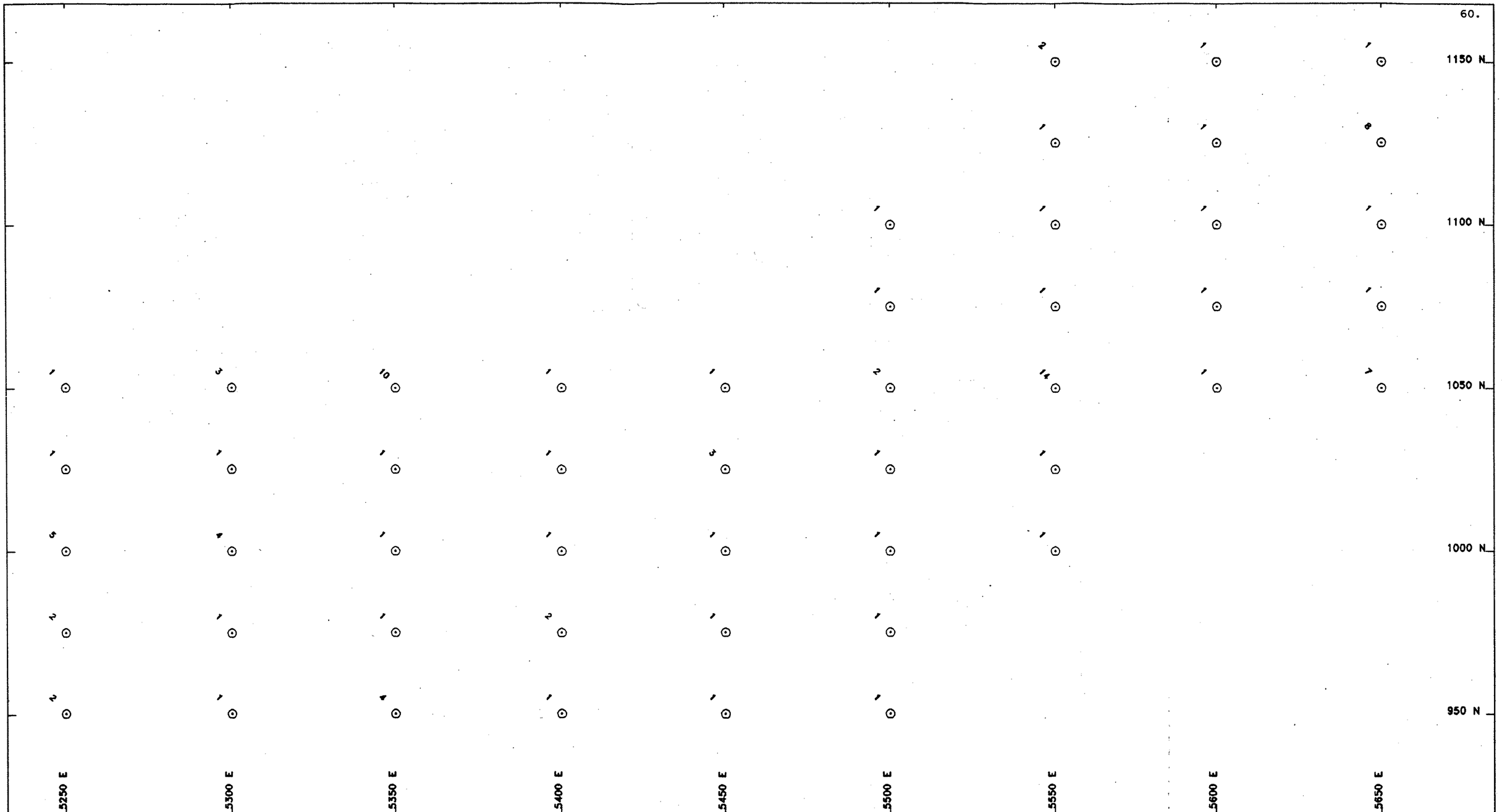
Approved
MJC
Jan. 19/88

FAIRFIELD MINERALS LTD.

MAGNETOMETER SURVEY
(FILTERED CONTOUR PRESENTATION)
ELK PROPERTY:SOUTH SHOWING, SIMILKAMEEN M.D.,B.C.
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 2000 DATE : 9/16/87
SURVEY BY : B.A.C. NTS : 92H/16W
FILE: MA181COR Dwg.No.: M.P.-3043
Pacific Geophysical Ltd.

PLATES 1-14

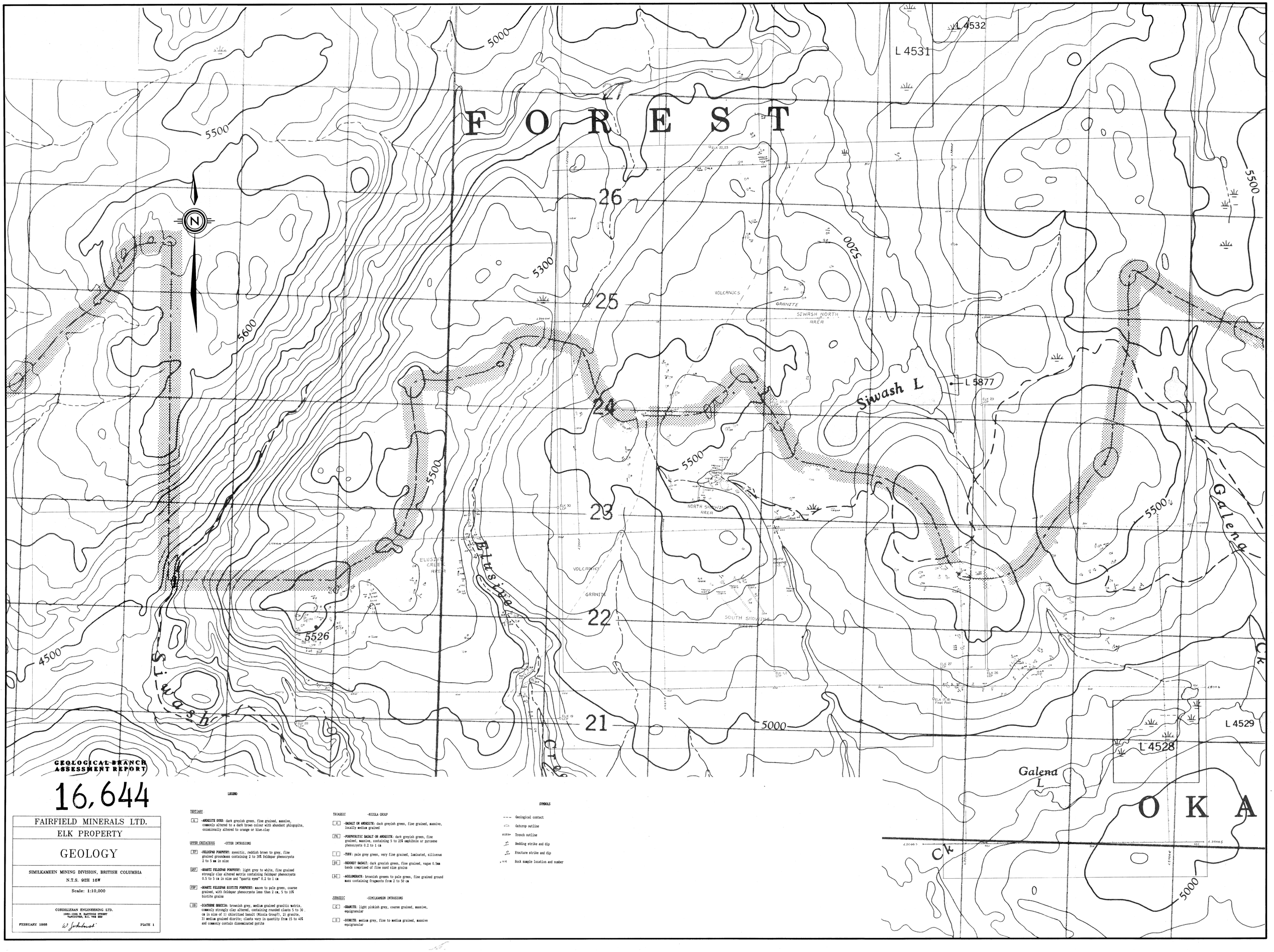


SYMBOLS
AU ppb

FAIRFIELD MINERALS LTD. ELK PROPERTY
1000N 5400E GRID SOIL GEOCHEM

0 10 20 30 40 50 60 70 80 90 100
SCALE 1: 1000
Figure:45

16,644



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

FAIRFIELD MINERALS LTD.
ELK PROPERTY
GEOLOGY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA N.T.S. 92H 16W
Scale: 1:10,000
CORDILLERAN ENGINEERING LTD. 1980-1066 W. HASTINGS STREET VANCOUVER, B.C. V6E 2E9
FEBRUARY 1988 W. Johnson PLATE 1

LEGEND

TERTIARY

A -ANDESITE DUKE: dark greyish green, fine grained, massive, commonly altered to a dark brown colour with abundant phlogopite, occasionally altered to orange or blue clay

UPPER CRETACEOUS -OTTER INTRUSIONS

FP -FELDSPAR PORPHYRY: syenitic, reddish brown to grey, fine grained groundmass containing 2 to 30% feldspar phenocrysts 2 to 5 mm in size

QFP -QUARTZ FELDSPAR PORPHYRY: light grey to white, fine grained strongly clay altered matrix containing feldspar phenocrysts 0.5 to 5 cm in size and "quartz eyes" 0.2 to 1 cm

FBP -QUARTZ FELDSPAR BIOTITE PORPHYRY: mauve to pale green, coarse grained, with feldspar phenocrysts less than 2 cm, 5 to 10% biotite grains

DB -DIATREME BRECCIA: brownish grey, medium grained granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

TRIASSIC -NICOLA GROUP

B -BASALT OR ANDESITE: dark greyish green, fine grained, massive, locally medium grained

PB -PORPHYRITIC BASALT OR ANDESITE: dark greyish green, fine grained, massive, containing 5 to 25% amphibole or pyroxene phenocrysts 0.2 to 1 cm

T -TUFF: pale grey green, very fine grained, laminated, siliceous

BB -BRECCIATED BASALT: dark greyish green, fine grained, vague 0.5mm bands comprised of fine sand size grains

AC -AGGLOMERATE: brownish greeen to pale green, fine grained ground mass containing fragments from 2 to 50 cm

JURASSIC -SIMILKAMEEN INTRUSIONS

G -GRANITE: light pinkish grey, coarse grained, massive, equigranular

D -DIORITE: medium grey, fine to medium grained, massive equigranular

SYMBOLS

--- Geological contact

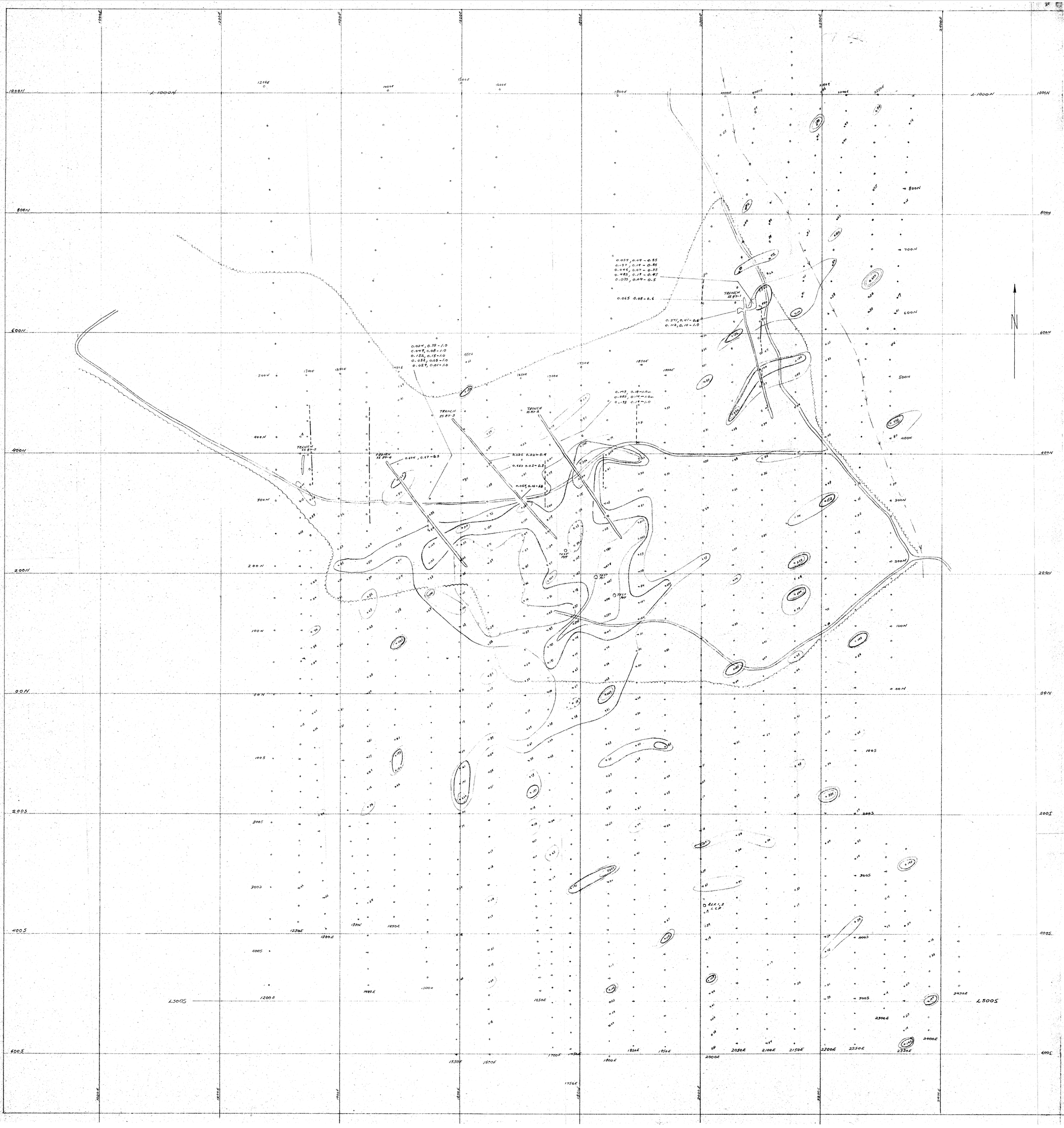
Outcrop outline

Trench outline

Bedding strike and dip

Fracture strike and dip

Rock sample location and number



LEGEND

- Au soil geochem sample station with value
- Definite I.P. anomaly
- Probable I.P. anomaly
- Trench outline
- Edge of slash
- Claim post

Au Soil Geochem Contours:

50 - 99 ppb
100 - 199 ppb
>200 ppb

values <15 ppm not plotted

Trench Sample Values Reported as:
Au (ppb) Ag (oz/ton) Width (ft.)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING AREA COMPILATION MAP

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
N.T.S. 92H 16W

Scale: 1:2,000

CONSOLIDATED ENGINEERING LTD.
1000 - 1030 W. BROADWAY
VANCOUVER, B.C. V6H 1E5

FEBRUARY 1986

PLATE 5

L 1200 E
L 1400 E
L 1500 E
L 1600 E
L 1800 E
L 2000 E
L 2050 E
L 2100 E
L 2150 E
L 2200 E

800 N
600 N
500 N
400 N
300 N
200 N
100 N

TRENCH SS 87-1
0.065, 0.08/0.60
0.271, 0.41/0.60
0.112, 0.10/1.00
0.054, 0.04/0.85
0.137, 0.14/0.85
0.046, 0.07/0.35
0.485, 0.19/0.45
0.035, 0.04/0.50

TRENCH SS 87-2
0.143, 0.10/1.00
0.282, 0.14/1.00
0.133, 0.19/1.00

TRENCH SS 87-3

TRENCH SS 87-4
0.604, 0.67/0.50
0.026, 0.02/0.04
0.552, 0.02/0.30
0.024, 0.38/1.00
0.049, 0.08/1.00
0.152, 0.15/1.00
0.032, 0.05/1.00
0.029, 0.01/1.00
0.069, 0.16/1.00

TRENCH SS 87-5

QTZ FLOAT
RUSTY FLOAT
Test Pit
GRANITE BOULDERS
ELK 1 CLAIM
ELK 2 CLAIM

LEGEND

TERTIARY

A — ANDESITE DYKE : dark greyish green, fine grained; commonly altered to dark brown with abundant phlogopite; occasionally altered to orange or blue clay

UPPER CRETACEOUS

DB — DIATREME BRECCIA : brownish grey, medium grained granitic matrix, commonly strongly clay-altered; clasts are rounded to subrounded, 5 to 30 cm comprising granite, basalt and diorite; locally silicified with 0.1 to 2% disseminated pyrite

JURASSIC

G — GRANITE : pinkish grey, coarse grained, equigranular; commonly FeO stained along fractures; locally weakly to intensely altered

SYMBOLS

- Outline of moderate to intense alteration
- Geological Contact
- Definite IP anomaly
- Probable IP anomaly
- Definite, probable, possible VLF EM anomaly
- Outline of outcrop
- Fracture strike and dip
- Trench outline
- Edge of slash
- 0.58 — Soil sample station with Au in ppb

Au Soil Geochem. Contours
50–99 ppb Au
100–200 ppb
>200 ppb

Trench Sample Values Reported as:
Au oz/t, Ag oz/t Interval(m)

× 7E004R — Surface rock sample location with sample number

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,644

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING COMPILATION

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
N.T.S. 92 H 16W

Scale = 1:1000

meters 0 10 20 30 40 50 60 70 80 90 100 metres

CORDILLERAN ENGINEERING LTD.
1980–1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

JANUARY 1988

PLATE 3

1000 E 1200 E 1400 E 1600 E 1800 E 2000 E 2200 E 2400 E 2600 E

2800 N 2600 N 2400 N 2200 N 2000 N 1800 N 1600 N 1400 N 1200 N 1000 N L 1000 N

ELK 20 ELK 21 ELK 1 ELK 2

SIWASH LAKE

TRENCH NS 87-5

TRENCH NS 87-2

TRENCH NS 87-3

TRENCH NS 87-4

0.255, 1.41 - 0.28
0.463, 4.62 - 0.63
1.320, 5.73 - 0.27
0.259, 1.18 - 0.45
0.265, 0.75 - 0.8
0.151, 0.56 - 0.7
0.118, 0.35 - 0.5
0.254, 1.28 - 1.1

0.051, 0.39 - 0.5
0.328, 0.71 - 0.5

0.091, 1.01 - 0.4

0.053, 0.88 - 0.4
0.129, 0.78 - 0.25

CFP

Camp

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

LEGEND

TERTIARY

A — ANDESITE DYKE: dark greyish green, fine grained; commonly altered to dark brown with abundant phlogopite; occasionally altered to orange or blue clay

UPPER CRETACEOUS

DB — DIATREME BRECCIA: brownish grey, medium grained granitic matrix, commonly strongly clay-altered; clasts are rounded to subrounded, 5 to 30 cm comprising granite, basalt and diorite; locally silicified with 0.1 to 2% disseminated pyrite

CFP — CLAY ALTERED QUARTZ FELDSPAR PORPHYRY: light grey to white, fine grained strongly altered matrix containing feldspar phenocrysts 0.5 to 5 cm and 0.2 to 1 cm quartz "eyes"

JURASSIC

G — GRANITE: pinkish grey, coarse grained, equigranular; commonly FeO stained along fractures; locally weakly to intensely altered

SYMBOLS

- Geological contact
- Definite IP anomaly
- Probable IP anomaly
- Definite, probable, possible VLF EM anomaly
- Trench outline
- Edge of slash
- Soil sample station with Au in ppb

Au Soil Geochem. Contours
50 - 99 ppb Au
100 - 200 ppb
> 200 ppb

Trench Sample Values Reported as:
Au oz/t, Ag oz/t Interval (m)

FAIRFIELD MINERALS LTD.

ELK PROPERTY

NORTH SHOWING COMPILATION

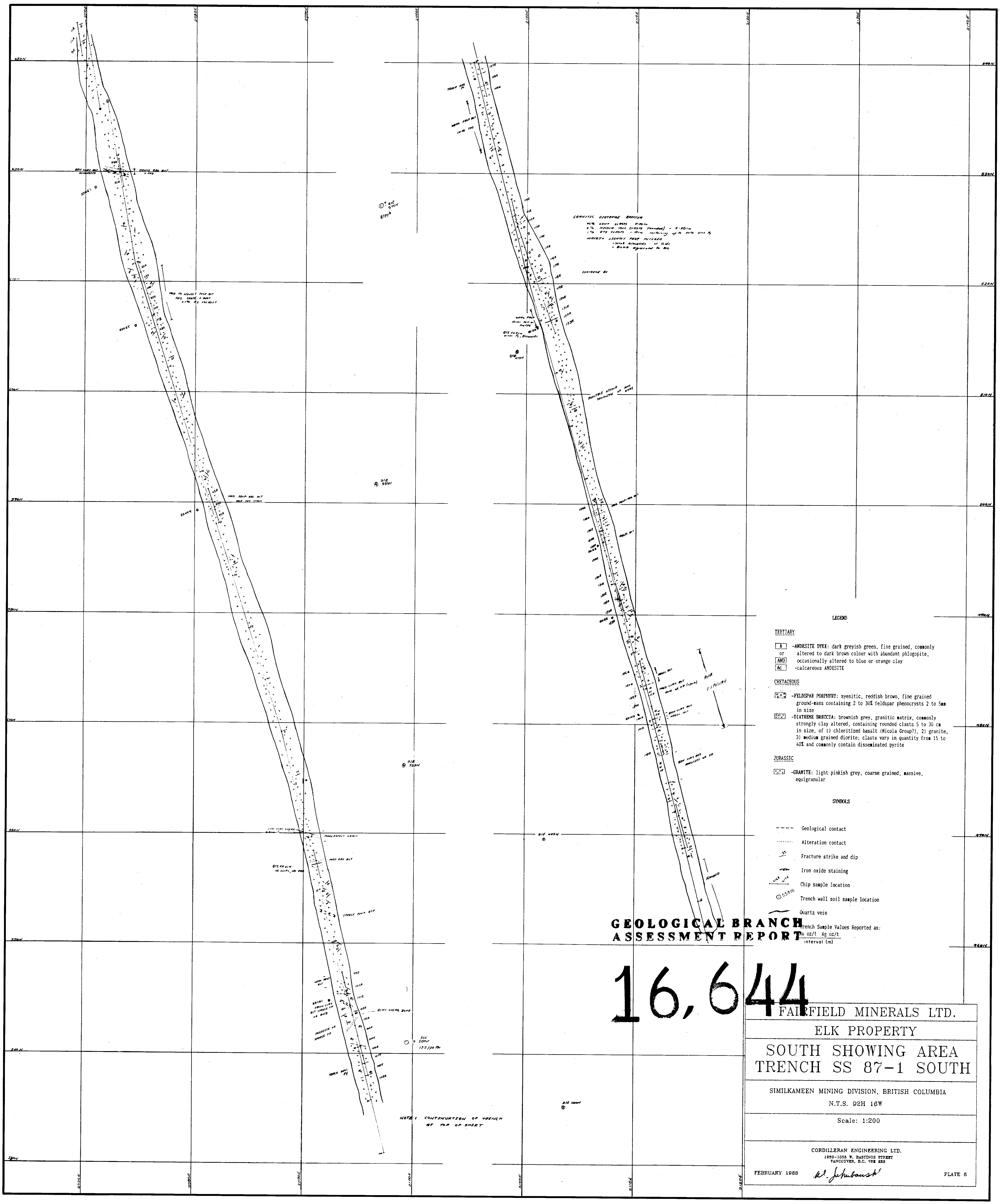
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
N.T.S. 92H 16W

Scale = 1 : 2000

metres 0 20 40 60 80 100 120 140 160 180 200 metres

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

JANUARY 1988 W. Jakubowski PLATE 4


NOTE: CONTINUATION OF TRENCH AT TOP OF SHEET
LEGEND
TERTIARY
A or AND -ANDESITE DYKE: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay
Ac -calcareous ANDESITE
CRETACEOUS
-FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size
-DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite
JURASSIC
-GRANITE: light pinkish grey, coarse grained, massive, equigranular
SYMBOLS
Geological contact
Alteration contact
Fracture strike and dip
Iron oxide staining
Chip sample location
Trench wall soil sample location
Quartz vein
Trench Sample Values Reported as: Au oz/t Ag oz/t / interval (m)
GEOLOGICAL BRANCH ASSESSMENT REPORT
16,644
FAIRFIELD MINERALS LTD.
ELK PROPERTY
SOUTH SHOWING AREA
TRENCH SS 87-1 SOUTH
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
N.T.S. 92H 16W
Scale: 1:200
CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9
FEBRUARY 1988
PLATE 6

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING AREA
TRENCH SS 87-1

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988

PLATE 7

LEGEND

TERTIARY

A or AND -ANDESITE DYKE: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay

Ac -calcareous ANDESITE

CRETACEOUS

-FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size

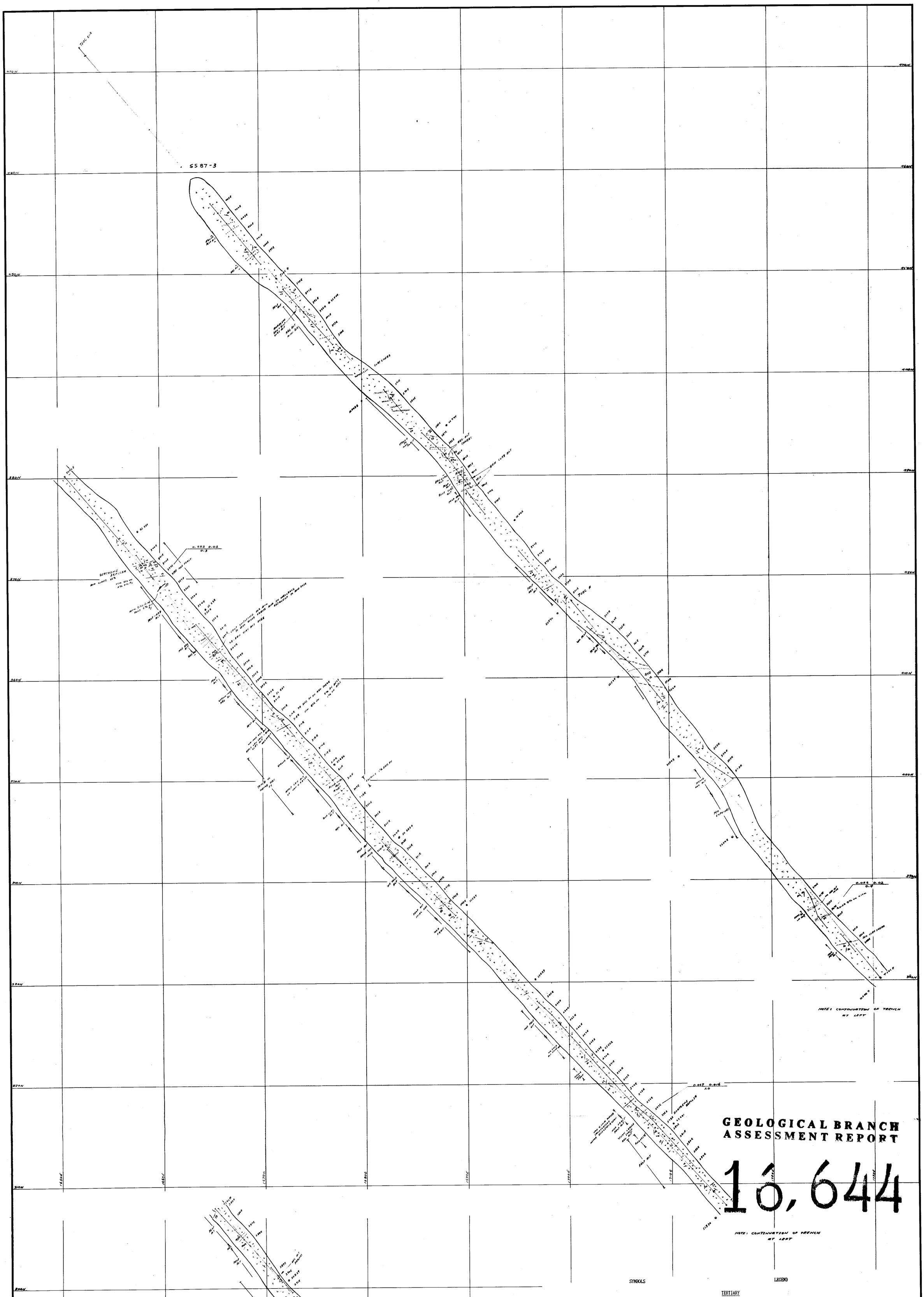
-DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

-GRANITE: light pinkish grey, coarse grained, massive, equigranular

SYMBOLS

- Geological contact
- Alteration contact
- 35 Fracture strike and dip
- Iron oxide staining
- 4168 4172 Chip sample location
- SS510 Trench wall soil sample location
- Quartz vein
- Trench Sample Values Reported as: Au oz/t Ag oz/t / interval (m)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING AREA TRENCH SS 87-3

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1980-1056 W. HASTING STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988

PLATE 8

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING AREA
TRENCH SS 87-4

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1960-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988 — PLATE 9

LEGEND

TERTIARY

A or AND or Ac -ANDESITE DYKE: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay -calcareous ANDESITE

CRETACEOUS

-FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size

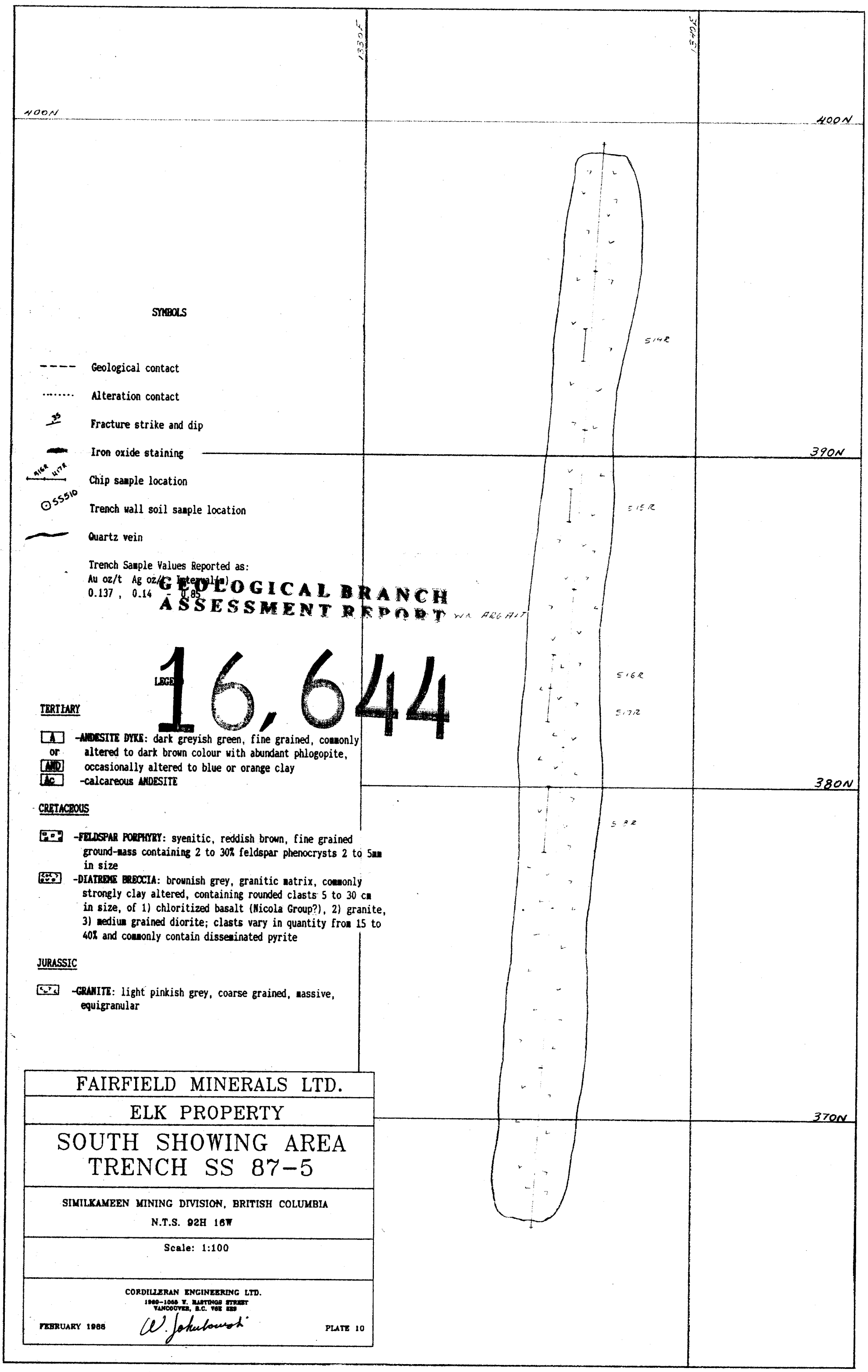
-DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

-GRANITE: light pinkish grey, coarse grained, massive, equigranular

SYMBOLS

- Geological contact
- Alteration contact
- 35 — Fracture strike and dip
- Iron oxide staining
- 416R 417R — Chip sample location
- SS510 — Trench wall soil sample location
- Quartz vein
- Trench Sample Values Reported as: Au oz/t Ag oz/t / interval (m)



SYMBOLS

- Geological contact
- Alteration contact
- 35 — Fracture strike and dip
- Iron oxide staining
- 416R 417R — Chip sample location
- SS510 — Trench wall soil sample location
- Quartz vein

Trench Sample Values Reported as:
Au oz/t Ag oz/t (Interval in)
0.137 , 0.14 , 0.85

LEGEND

TERTIARY

A or AND — **-ANDESITE DYKE**: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay

Ac — -calcareous **ANDESITE**

CRETACEOUS

-FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size

-DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

-GRANITE: light pinkish grey, coarse grained, massive, equigranular

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SOUTH SHOWING AREA
TRENCH SS 87-5

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:100

CORDILLERAN ENGINEERING LTD.
1960-1066 W. HASTINGS STREET
VANCOUVER, B.C. V6E 3X2

FEBRUARY 1988 — PLATE 10

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

LEGEND

TERTIARY

[A] or [AND] -ANDESITE DYKE: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay

[Ac] -calcareous ANDESITE

CRETACEOUS

-FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size

-DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

-GRANITE: light pinkish grey, coarse grained, massive, equigranular

SYMBOLS

Geological contact

Alteration contact

Fracture strike and dip

Iron oxide staining

Chip sample location

Trench wall soil sample location

Quartz vein

Trench Sample Values Reported as:
Au oz/t Ag oz/t
interval (m)

FAIRFIELD MINERALS LTD.

ELK PROPERTY

NORTH SHOWING TRENCHES
NS 87-1 AND NS 87-5

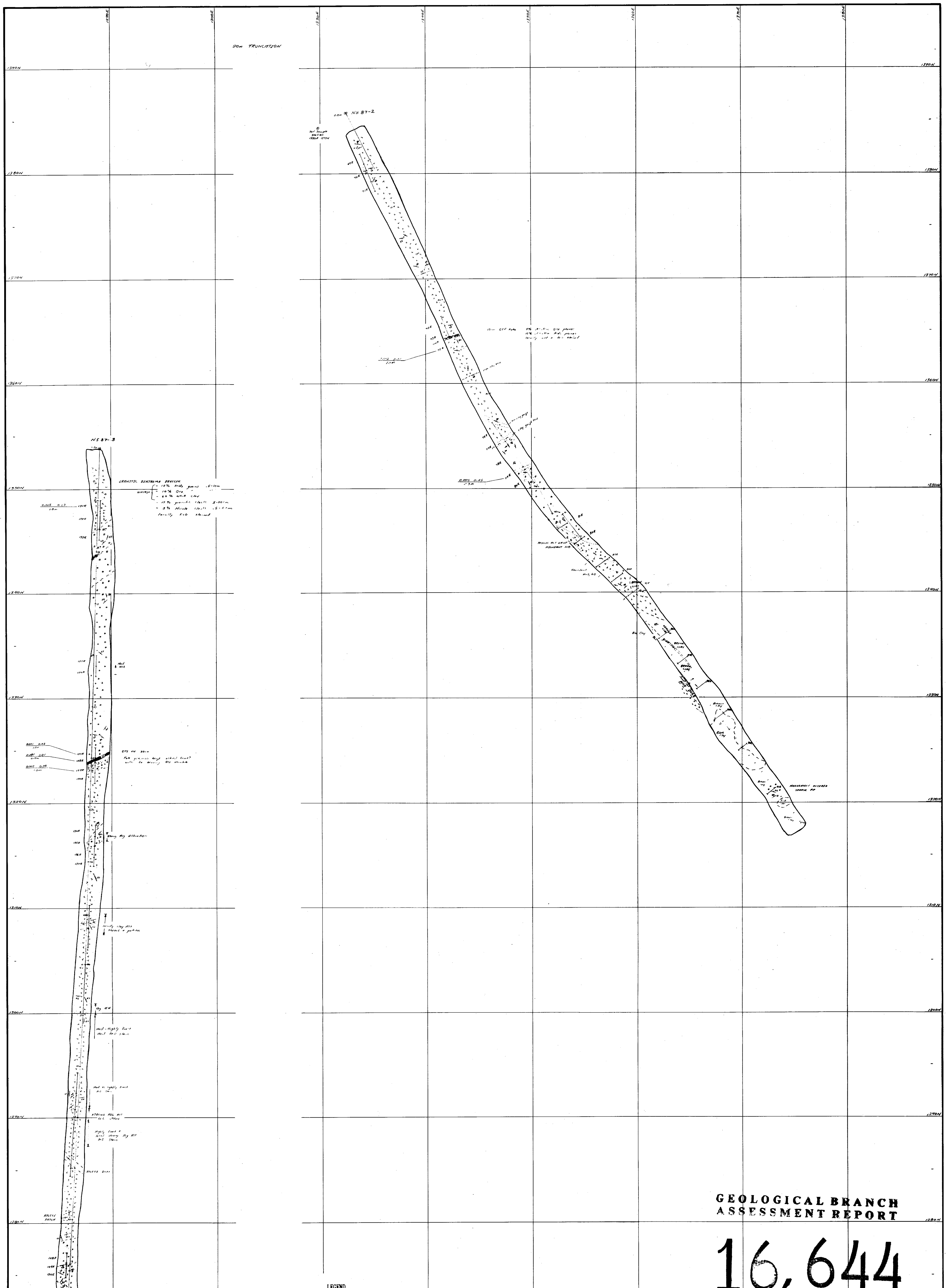
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988 PLATE 11



LEGEND

TERTIARY

- A -ANDESITE DYKE: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite,
- or
- AND occasionally altered to blue or orange clay
- Ac -calcareous ANDESITE

CRETACEOUS

- -FELDSPAR PORPHYRY: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size
- -DIATREME BRECCIA: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

- -GRANITE: light pinkish grey, coarse grained, massive, equigranular

SYMBOLS

- Geological contact
- Alteration contact
- 35 Fracture strike and dip
- Iron oxide staining
- Chip sample location
- 55510 Trench wall soil sample location
- Quartz vein
- Trench Sample Values Reported as: Au oz/t Ag oz/t interval (m)

FAIRFIELD MINERALS LTD.

ELK PROPERTY

NORTH SHOWING TRENCHES NS 87-2 AND NS 87-3

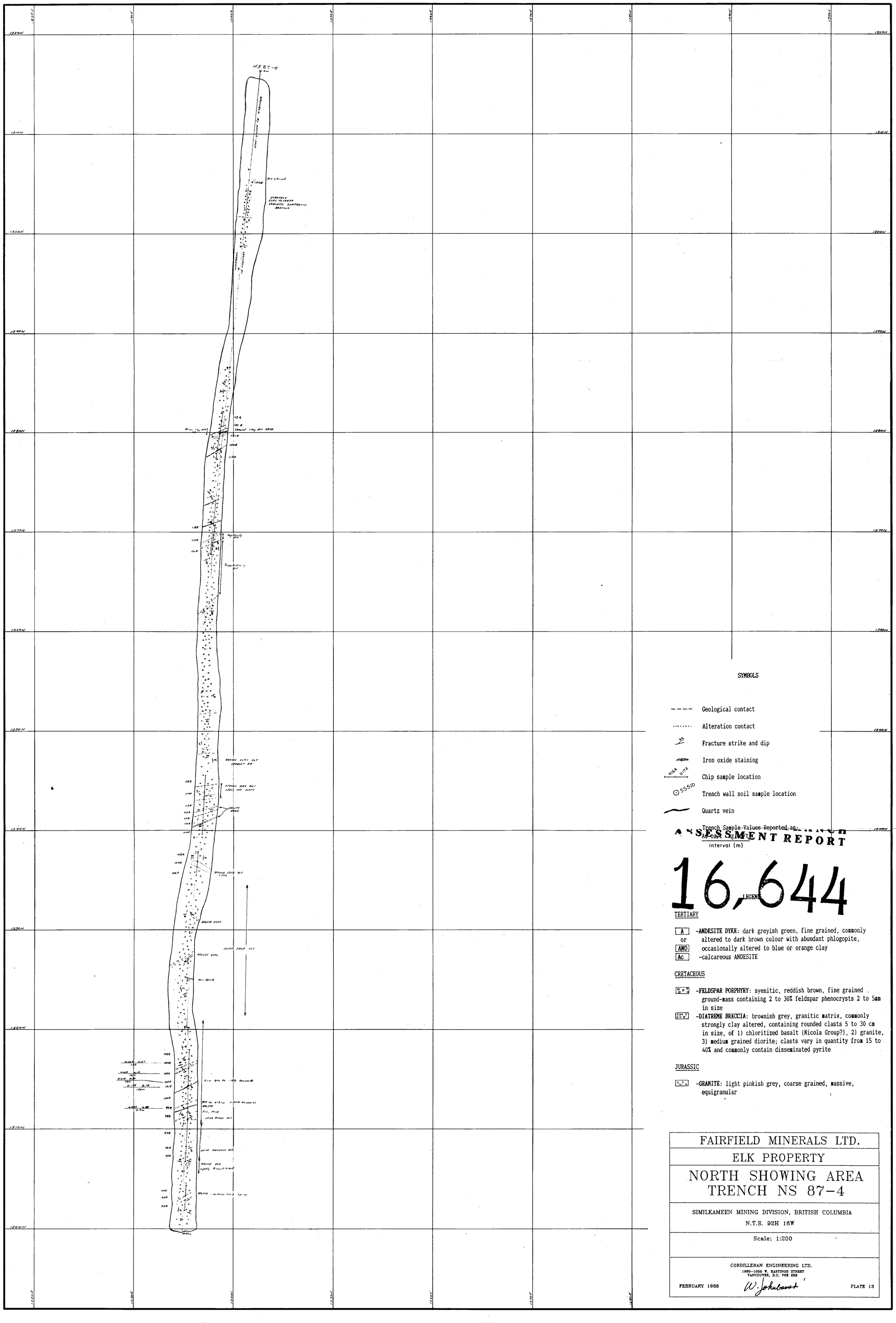
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1960-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988 PLATE 12



SYMBOLS

- Geological contact
- Alteration contact
- 35 — Fracture strike and dip
- Iron oxide staining
- 416R 417R — Chip sample location
- 55510 — Trench wall soil sample location
- Quartz vein
- Trench Sample Values Reported as: Au-oz/ton, Ag-oz/ton, interval (m)

LEGEND

TERTIARY

- A or AND — **-ANDESITE DYKE**: dark greyish green, fine grained, commonly altered to dark brown colour with abundant phlogopite, occasionally altered to blue or orange clay
- Ac — -calcareous ANDESITE

CRETACEOUS

- **-FELDSPAR PORPHYRY**: syenitic, reddish brown, fine grained ground-mass containing 2 to 30% feldspar phenocrysts 2 to 5mm in size
- **-DIATREME BRECCIA**: brownish grey, granitic matrix, commonly strongly clay altered, containing rounded clasts 5 to 30 cm in size, of 1) chloritized basalt (Nicola Group?), 2) granite, 3) medium grained diorite; clasts vary in quantity from 15 to 40% and commonly contain disseminated pyrite

JURASSIC

- **-GRANITE**: light pinkish grey, coarse grained, massive, equigranular

FAIRFIELD MINERALS LTD.

ELK PROPERTY

NORTH SHOWING AREA TRENCH NS 87-4

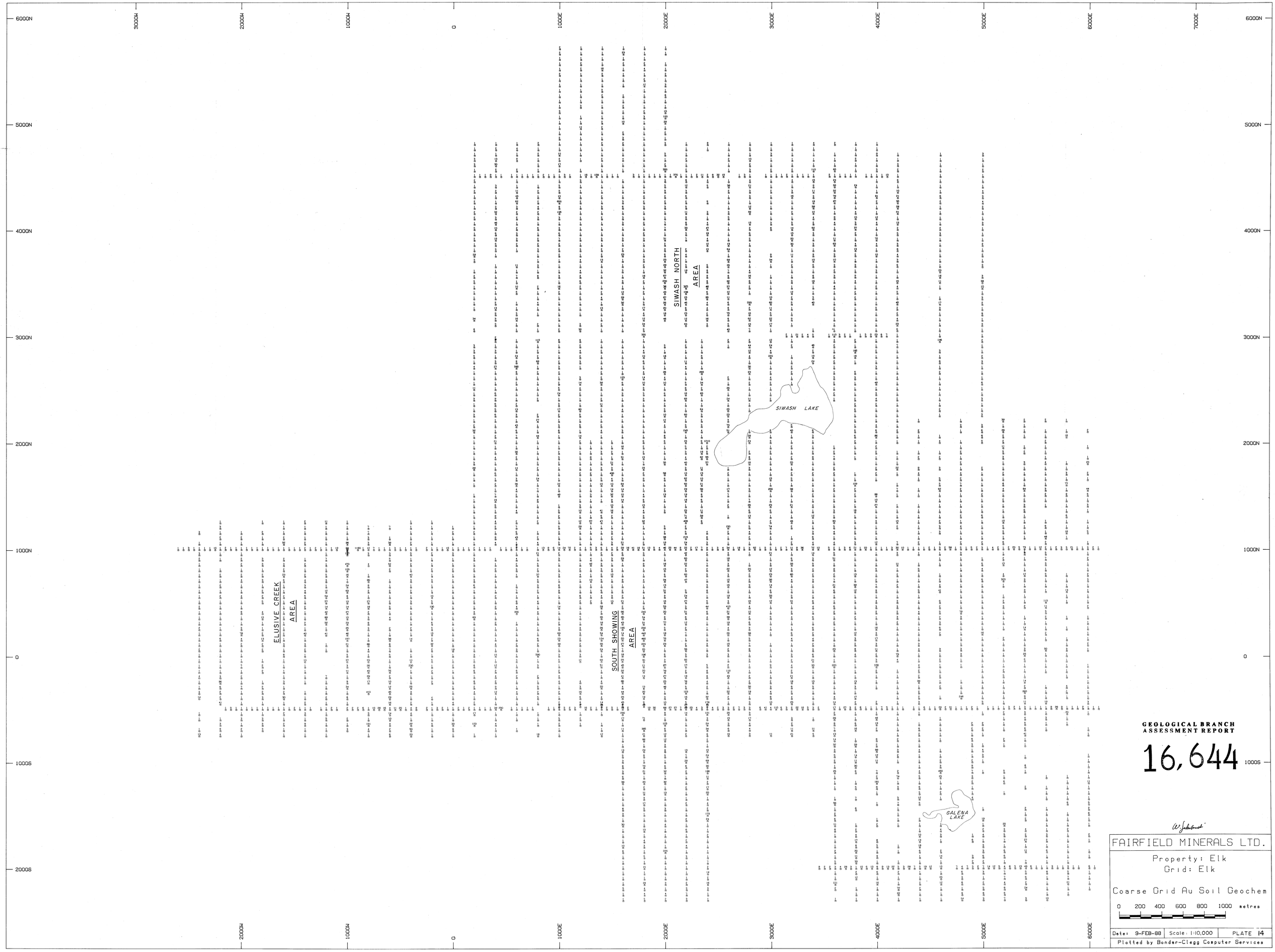
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

N.T.S. 92H 16W

Scale: 1:200

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FEBRUARY 1988 — W. Johnson — PLATE 13



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,644

FAIRFIELD MINERALS LTD.

Property: Elk
Grid: Elk

Coarse Grid Au Soil Geochem

0 200 400 600 800 1000 metres

Date: 9-FEB-88	Scale: 1:10,000	PLATE 14

Plotted by Bonder-Clegg Computer Services