

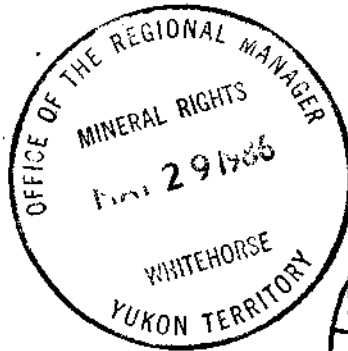
ASSESSMENT REPORT  
1985 FIELD PROGRAM (PHASE II)  
DETAILED GEOLOGY, GRID GEOCHEMISTRY,  
VLF SURVEY AND TRENCHING RESULTS:

SAID AND THE MINERAL CLAIMS  
WHITEHORSE MINING DIVISION

AUGUST 6 TO SEPTEMBER 3, 1985

NTS 105D/3, D/6

Lat: 60°16'N  
Long: 135°27'W



Owned by:  
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091850

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This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 36,900.

*DAEmond*

*for* Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

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## SUMMARY AND CONCLUSIONS:

The SAID and THE Claims, located near Mt. Skukum about 60 km south of Whitehorse, Y.T. were the subject of a detailed investigation in August-September, 1985 including geologic mapping, grid geochemistry, and VLF surveys.

The claims are underlain by volcanic-volcaniclastic rocks of the Eocene Skukum Group. These fall into three lithostratigraphic subdivisions, parallel to those recognized by Pride (1985). From oldest to youngest they are: rhyolite pyroclastics; trachyandesite and lesser dacite flows with epiclastic rocks of mixed derivation; and rhyolite flows. An alaskite pluton, not examined in the present study, cuts the sequence. Fault blocks bounded by northerly and east-northeasterly trending faults form the dominant structural pattern.

The northern part of both properties is transected by a 3 km long quartz vein system with an average 60° trend. In part, this vein system follows east-northerly faults; although a significant part of it, the SW Zone, is a wide zone of apparent tensional openings without any major faulting.

Most quartz veins within the trend are geochemically flat; a few returned Au values in the 100-300 ppb range; and scattered high values of 540, 750, 6450 and 7900 ppb were obtained. In all but a few cases, Ag, As, Sb, and Hg are negligible. Near-background concentrations of Au, Ag, As, Sb and Hg characterize the soil geochemistry of the vein trend, with a few scattered Au highs.

VLF-EM surveys showed strong response over the zones of argillic alteration that are a characteristic feature of the vein trend, and were useful in tracing their continuation under overburden.

*J. Nelson*

## INTRODUCTION

This report presents the results of a combined geological-geochemistry-geophysical program conducted on the SAID and THE claims between August 6 and September 3, 1985.

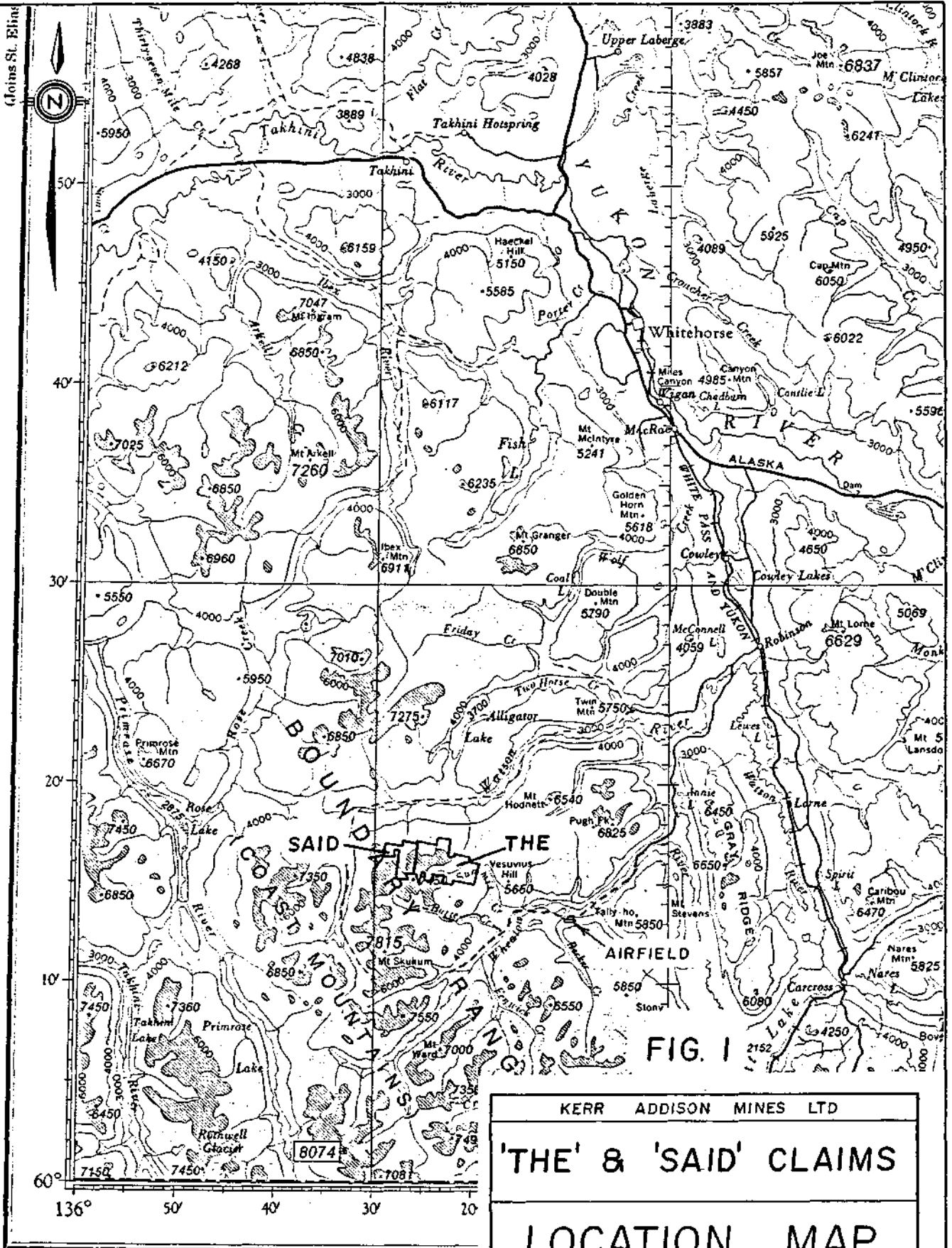
The following work was done in this period:

- (1) a grid 3.1 km long and 500-1000 m wide was laid out.
- (2) 4 square km were geologically mapped at scales varying from 1:10,000 to 1:1000 and 68 rock samples collected for analysis.
- (3) 460 grid soil samples were collected and analysed for Au, Ag, As, Sb, Hg.
- (4) 11 km of line was surveyed using Geonics VLF -EM 16.
- (5) Two 20 m long trenches were blasted to 2 m depth.

The present program was conducted by Kerr Addison Mines Ltd. under an option agreement with AGIP Canada Ltd., the claim owners. Kerr Addison personnel on the property included J. Nelson, J. Mackay, S. Goertz, S. Friday and H. Johnson.

## LOCATION AND ACCESS

The SAID and THE mineral claims, (N.T.S. Map Sheets 105D/6 and 3), are located in the Wheaton River District and 56 km south of Whitehorse. (Figure 1)



|                        |                   |
|------------------------|-------------------|
| KERR ADDISON MINES LTD |                   |
| 'THE' & 'SAID' CLAIMS  |                   |
| LOCATION MAP           |                   |
| SCALE - 1: 500 000     | DATE - OCT., 1985 |
| DRAWN BY: P.H.         | DATA - J.P.       |
| NTS - 105 D            | REVISED -         |

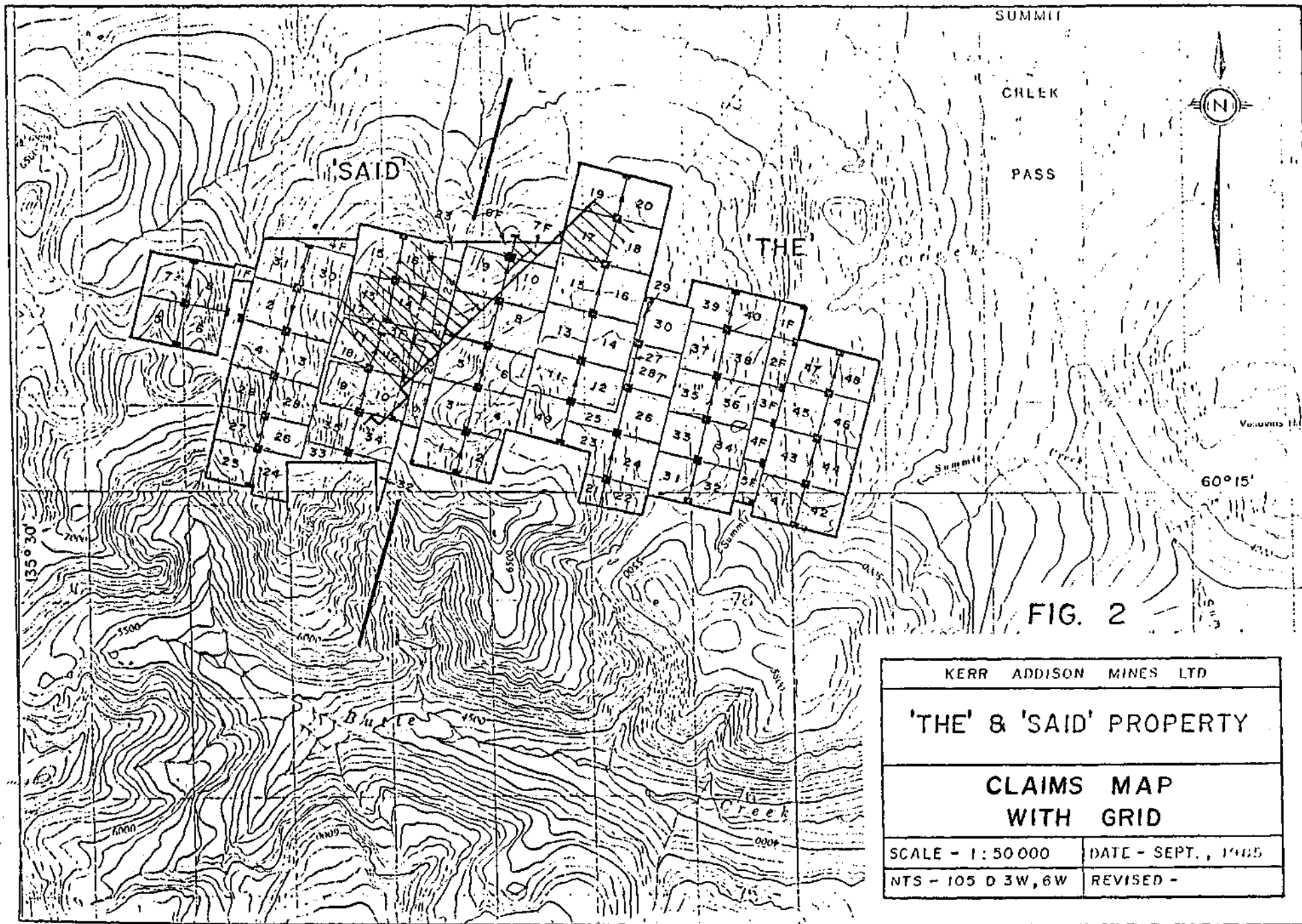


FIG. 2

|                         |                    |
|-------------------------|--------------------|
| KERR ADDISON MINES LTD  |                    |
| 'THE' & 'SAID' PROPERTY |                    |
| CLAIMS MAP<br>WITH GRID |                    |
| SCALE - 1:50 000        | DATE - SEPT., 1965 |
| NTS - 105 D 3W, 6W      | REVISED -          |

Helicopter access is available from Whitehorse and constitutes a one hour round trip. However, for the majority of the 1985 field season, a temporary Frontier Helicopters base was situated along the Wheaton River at Becker Creek, 13.5 kms southwest of the SAID and THE claims. The base was a 1½ hour drive from Whitehorse via the Alaska Highway, the Carcross Road and the Annie Lake Road.

#### LEGAL DESCRIPTION

The SAID and THE properties are located in the Whitehorse Mining Division. They are detailed on Figure 2.

#### List of Claims

| <u>NAME</u> | <u>RECORD NUMBER</u> | <u>EXPIRY DATE</u> | <u>OWNER</u> |
|-------------|----------------------|--------------------|--------------|
| SAID 1-16   | YA77877-92           | July 28, 1986      | AGIP         |
| SAID 17-23  | YA92024-30           | August 14, 1986    | K.A.         |
| SAID 24-35  |                      | Sept. 12, 1986     | K.A.         |
| SAID 1F-3F  | YA92021-23           | August 14, 1986    | K.A.         |
| SAID 4F     |                      | Sept. 12, 1986     | K.A.         |
| THE 1-48    | YA77925-72           | July 28, 1986      | AGIP         |
| THE 49      | YA93036              | August 14, 1986    | K.A.         |
| THE 1F-5F   | YA93031-35           | August 14, 1986    | K.A.         |
| THE 6F,7F   |                      | August 14, 1986    | K.A.         |

All of the claims in the two properties are subject to an option agreement between AGIP Canada Ltd. and Kerr Addison Mines Ltd. (the optioner).

The SAID and THE properties are bounded to the south by AGIP's Kuku claims, to the north by Rockridge Resources' Botwat claims, and on the east by the Stone Claims (independent stakers).

## TOPOGRAPHY AND VEGETATION

The properties lie within the Coast Mountains of the southwestern Yukon. The topography includes steep cirques as well as rounded ridges and plateaus. Elevations range from 4800' in the extreme southeast corner of the THE claims to 7400' on SAID 10. Several small permanent icefields occur, primarily on the SAID claims.

The SAID and THE claims both lie above treeline with grass and moss at the lower elevations and barren talus covered slopes higher up. Some of the valleys and very low areas are covered with willow and alder bushes.

## PREVIOUS WORK

The proximity and similar geology of the SAID and THE areas to the Mt. Skukum Gold Deposit led to the staking of the claims on July 18, 1983 by AGIP Canada Limited. AGIP had undertaken reconnaissance work in the area during 1980 and 1981, which consisted of stream sediment, soil and heavy mineral concentrate sampling and very minor rock geochemistry.

In late 1984, Kerr Addison Mines Limited of Vancouver, B.C. optioned several Mt. Skukum area properties from AGIP which included the SAID and THE.

Preliminary Kerr Addison work in 1985 involved 12 man days spent on the SAID and 29 man days on the THE claims between July 10 and July 23. The program involved geological mapping at a scale of 1:10,000 and geochemical sampling. This work was recorded in Whitehorse on July 25 and applied to 1985 assessment requirements (Paulter 1985). The present project is a detailed follow-up of targets identified by Paulter's crew.

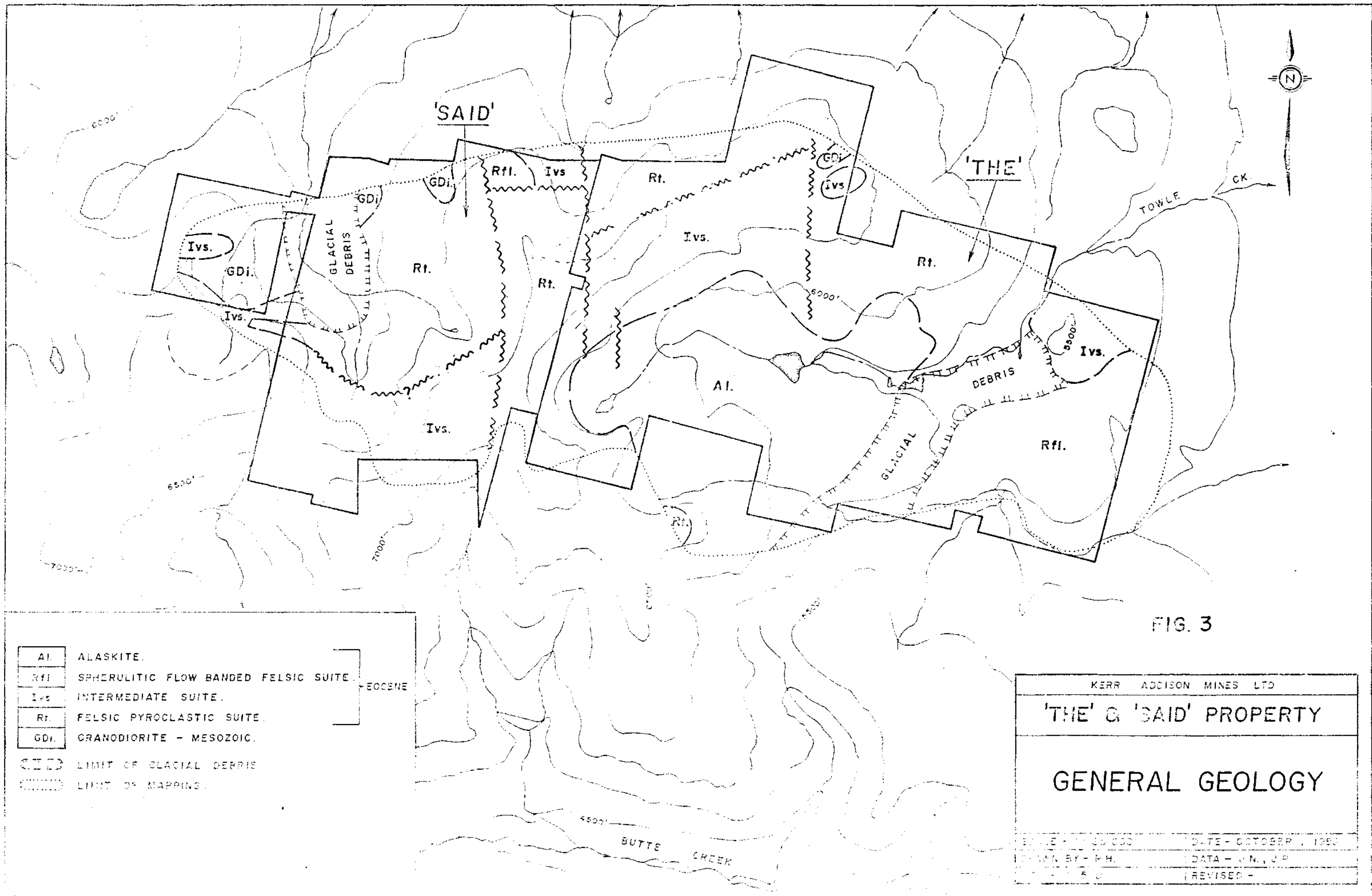


FIG. 3

|     |                                       |
|-----|---------------------------------------|
| Al  | ALASKITE.                             |
| Rfi | SPHERULITIC FLOW BANDED FELSIC SUITE. |
| Ivs | INTERMEDIATE SUITE.                   |
| Rt  | FELSIC PYROCLASTIC SUITE.             |
| GDi | GRANODIORITE - MESOZOIC.              |
|     | LIMIT OF GLACIAL DEBRIS               |
|     | LIMIT OF MAPPING.                     |

|                         |                      |
|-------------------------|----------------------|
| KERR ADDISON MINES LTD  |                      |
| 'THE' & 'SAID' PROPERTY |                      |
| GENERAL GEOLOGY         |                      |
| SCALE - 1:50,000        | DATE - OCTOBER, 1980 |
| DRAWN BY - P.H.         | DATA - J.N., J.P.    |
| REVISED -               |                      |

## GEOLOGY

### Regional and local geology

The SAID and THE properties lie within the northern part of the Mt. Skukum Volcanic Complex, which developed in Eocene time on a basement composed of metamorphic rocks of the Yukon Crystalline Terrane and Cretaceous (?) granitoids. The Mt. Skukum Volcanic Complex has been mapped at 1:25,000 scale by Pride (1984, 1985). Her time-stratigraphic subdivisions appear in Table 1, as equivalents to units recognized on the SAID and THE properties.

Figure 3 summarizes the geology of the SAID and THE claims as outlined in the present study and in the previous 1985 Kerr Addison mapping. Most of Pride's (1985) subdivisions of the Mt. Skukum Complex are recognized on the claims (Pautler 1985); Pautler's designations are also shown on Table 1. Cretaceous(?) granitic basement is overlain by granitic-cobble conglomerates, followed by a volcanic-volcaniclastic-epiclastic sequence of varying lithologies. The entire volcanic sequence, with the possible exception of the spherulitic rhyolites, is intruded by an alaskite pluton exposed in the Towle Creek drainage; and by white rhyolite and pale trachyte dykes that are probably related to the alaskite.

A complex of quartz veins and silicified "quartz-breccias" extends for 3 km on a 60° trend along the northern part of the properties (Figure 4). This vein system provided the focus for the detailed geology, soil geochemistry, geophysics and trenching work reported here.

TABLE 1

TABLE OF FORMATIONSLithostratigraphic Unit  
(This report and Pautler, 1985)Lithologic DescriptionCorrelative  
Formation  
(Pride 1985)

Rdy/Tdy/Ady/Di

rhyolite, trachyte, andesite, diorite dykes. Rhyolites and trachytes white to pastels. In the NE Zone rhyolite dykes show lamellar-flow and explosion textures, due to explosive near-surface emplacement.

Al

alaskite. Not recognized near grid

Rfl

flow-banded rhyolite: purple

Formation 4

Ivs

intermediate volcanics and sediments: green porphyritic trachyandesite flows and flow breccias, purple dacite flows; also lahars or fluxoturbidites: trachyandesite bedded mass flow; laminated green epiclastic sediments?)—these in thin section contain angular fragments of quartz, plagioclase, Kspar, rhyolite, trachyandesite.

Formation 3

Rt

rhyolite pyroclastic unit. Upper member is bedded, contains bedded dense-clast rhyolite breccia (lahar or fluxoturbidite) and laminated epiclastic sediments; lower member contains a) purple rhyolite welded tuff-breccia, which characteristically contains flattened cm-size ash clasts and sparse basement granodiorite clasts, in a few cases concentrated parallel to layering b) green unwelded rhyolite sparse clast lapilli tuff, also with characteristic minor basement granodiorite clasts c) purple rhyolite lithic tuff, with glassy matrix, sparse quartz and Kspar crystals, abundant small flattened ash clasts (.5 cm).

Formation 2

Cgl

conglomerate. Not recognized near grid.

Formation 1

Mesozoic

MGdi

granodiorite

B

Paleozoic

Pamph

green amphibolite

A

EOCENE

## DETAILED GEOLOGY

Three major geological units are recognized in the vicinity of the grid: a mixed rhyolite pyroclastic sequence overlain by felsic epiclastic sediments (Rt on Figure 1, Table 1); a unit composed of green porphyritic trachyandesite flows and flow breccias, lesser dacite flows and finely laminated epiclastic sediments (Ivs on Figure 4, Table 1); and purple felsic flows that overlie the porphyritic trachyandesite near 14N 10+00W (Rf on Figure 4, Table 1). Relative ages of the first two units were not determined locally, as they are everywhere in fault contact. (Figure 4) However Pride (1984,5) shows that the green porphyritic flows and epiclastic rocks (her Formation 3, field-mapped as andesites) overlie the felsic pyroclastics and flows (her Formation 2).

### Structure

Contacts between the major units, Rt, Ivs and Rf, are generally steep in the vicinity of the grid, and cut across bedding. These contacts have been interpreted as block faults (Figure 4). The following examples illustrate the faulting:

- 1) Near the baseline between 16 and 31N, porphyritic trachyandesite of the younger Ivs unit (SE block) lies in abrupt, linear contact with rhyolite welded tuff of the older Rt unit (NE block). This 60°-trending fault occupies a prominent topographic linear visible on air photos.
  
- 2) In the cirque wall north of 0+00, laminated epiclastic sediments of the Ivs unit overlie a rhyolite intrusion or dome of unknown affinity. This stratigraphy disappears under névé to the northwest and is truncated against rhyolite welded tuff and overlying rhyolite epiclastic sediments of the Rt unit. A northeast-

trending fault is inferred.

These and other faults define an overall pattern of block faulting on northerly and east-northeasterly trends (Figures 3, 4).

### Mineralization and Alteration

#### Structural Setting

Quartz veins and zones of brecciated silicified wall rock cemented by drusy quartz vein material - "quartz breccias" - occupy a roughly 60° trend near the baseline. This trend has been divided into four zones (Figure 4): the NE zone, the Central zone, the SW zone and the Far SW zone. In all of these except the SW zone, veining is strongly localized in and adjacent to fault contacts between the Ivs and Rt units. In the SW zone, veining occurs over a broad area, totally within a fault block composed of rhyolite pyroclastics (Rt). Linear topographic depressions trending parallel to the 060 to 090° fault set, accompanied by argillic alterations are prominent; however major fault offsets are not apparent and are, in fact, probably precluded by the persistence across the entire zone of the basal contact of the felsic epiclastic unit (Rbv, Res) that overlies the rhyolite pyroclastics (Rlapt, Rt on Figure 4). Therefore the vein trend as a whole follows, not a single simple fault structure, but several roughly aligned block-fault boundaries linked by a zone of tearing and (?) extension. (SW zone) The vein trend may have been controlled by an unexposed, pre-Eocene basement fault that localised later block movements.

#### NE Zone

The NE Zone includes the densest swarm of quartz veins and silicified zones on the property. It was mapped at 1:1000

TABLE 2 DESCRIPTIONS OF VEIN SAMPLES FROM NE ZONE  
SHOWN ON FIGURE 5

---

Includes earlier samples (see Pautler 1985)  
relocated on grid.

| <u>Sample Number</u> | <u>Au Ag</u> | <u>Description</u>   |
|----------------------|--------------|--|
| (YT5) N1R            |              | chips from single quartz breccia boulder with grey chalcedony and coxcomb quartz matrix - 25 cm across.                        |
| N2R                  |              | representative grab of silicified sub-crop pod 5x5 m: grey, lacey, calcite molds.  |
| N3R                  |              | pale greenish white rhyolite breccia: sample shows more silicified parts.  |
| N4R                  |              | 1x1 m area of strongly silicified float in bleached rhyolite? flow?/dyke?  |
| N5R                  |              | train of fine grained silicified grey to white boulders to 30 cm individual width.   |
| N6R                  |              | train at edge of altered zone: fine grained breccia-quartz veins. On same trend as C13R.                                       |
| N7R                  |              | train of fine grained quartz breccia vein cobbles to 25 cm; also sugary vein material  |
| N8R                  |              | 5 m wide continuous vein zone: quartz vein swarms in butterscotch-colored silicified matrix; fluorite molds. Chips throughout. |
| N9R                  |              | banded chalcedony vein 10-15 wide with silicified wall rock.   |
| N10R                 |              | 1-10 cm banded quartz vein material scattered below topographic linear.  |
| N13R                 |              | pale green vuggy silicified boulders, average 20 cm width, some 30 cm. Minor banded chalcedony.                                |
| N14R                 |              | massive silicified pod 3x6 m: chalcedony, sugary quartz, silicification with Fe-stained fractures.                             |

| <u>Sample Number</u> | Au Ag | <u>Description</u>   |
|----------------------|-------|--|
| N15R                 |       | silicified zone against unaltered purple rhyolite tuff breccia. Several 30 cm boulders-grey massive chalcedony.  |
| N16R                 |       | up to 15 cm wide vein against unaltered granodiorite; grey massive chalcedony, quartz breccia, in part textures like subcrops above: may be colluvium. |
| N17R                 |       | 5 m wide vein zone: butterscotch-colored silicified matrix cut by white banded chalcedony.   |
| N18R                 |       | massive to banded chalcedony; a few cobbles quartz breccia.  |
| N19R                 |       | massive to banded chalcedony. A few pieces show resorbed, rounded fragments (silicified) in banded grey chalcedony matrix.                             |
| N20R                 |       | train of 10-30 cm massive chalcedony cobbles; some show resorbed silicified fragments like N19R.   |
| G18R                 |       | quartz vein, brecciated, many round (assimilated) fragments, drusy grey-white chalcedonic quartz; to 35-40 cm (whole zone)                             |
| G19R                 |       | stringer and intensely silicified host, mainly grey cryptocrystalline quartz, very weak hematite, limonite. To 30 cm.                                  |
| G20R                 |       | quartz vein, drusy and chalcedonic.  |
| G21R                 |       | quartz vein, drusy and chalcedonic, white and grey, 16 cobbles to 15 cm, over 17 m.  |
| G25R                 |       | white, drusy, cryptocrystalline quartz stringers, to 2.5 cm wide, most 2 mm in moderately clay altered, weakly hematitic host: over 1 m.               |
| G27R                 |       | strongly drusy, opaline, white quartz stringers. Mn and limonite to medium rusty, strong to intensely silicified host. Overall 2 m width.              |

| <u>Sample Number</u> | Au Ag | <u>Description</u>  |
|----------------------|-------|---|
| G29R                 |       | white and grey weakly chalcedonic quartz veins up to 4 cm; stringers.   |
| G31R                 |       | white drusy and cryptocrystalline quartz veins/breccia and stringers in weakly to strongly limonitic matrix with patchy hematite. Round fragments coated with drusy and cryptocrystalline quartz. |
| C12R                 |       | grey-brownish chalcedonic quartz; banded white and greyish cryptocrystalline quartz.  |
| C13R                 |       | quartz breccia: typical ribbon-textured quartz around silicified clasts. Quartz goes from fine to coarse (coxcomb) outwards from clasts.  |

scale (Figure 5). Table 2 contains descriptions of the veins. The NE Zone occupies a 60° trending fault zone between a) porphyritic trachyandesite and dacite flows belonging to the Ivs unit and b) purple rhyolite welded tuff breccia, belonging to the Rt unit. A subsidiary set of fractures intersects the fault, with a trend of 30°. One distinctive feature of the fault zone is the presence within it of large blocks of granitic and metamorphic basement rocks. Their emplacement is presumably due to shearing, although the exact mechanism is unclear. Both the fault zone itself and the secondary fractures are characterised by high ( 5/m) to extreme (50/m) fracture density. Both host andesite, rhyolite, and trachyte dykes. Argillic alteration is moderate to extreme in the dykes as well as the older rocks. Greasy pale green sericite alteration occurs in distinct zones, particularly in association with silicification and quartz veins. Outside the zone, epidote replaces tuffaceous clasts in the rhyolite welded tuff breccia.

Quartz veins may show any or all of the following textural features:

1. quartz breccia. Butterscotch-colored silicified wall rock with or without sericite veinlets, masses; cut by white quartz veins with mammillary textures on free faces.
2. banded chalcedony; in a few cases (e.g. N19R, N20R) around rounded, partly resorbed fragments.
3. fluorite molds
4. sinter textures
5. fine grained amethyst
6. massive grey or greenish chalcedony; inferred to be silicification rather than veining.

The presence of sinter textures indicates that these veins formed in the paleogeothermal system.

In the course of mapping, representative grab samples were taken as collections of chips from each subcropping vein or silicified zone. The samples are described in Table 2. The highest Au value, 6450 ppb, is in N19R. It should also be noted that, although N20R contains only 55 ppb Au, a soil taken at that site (28N 1+25E) contains 2250 ppb Au. (see below) The trend of quartz float defined by N18R, N19R, and N20R is inferred to define a 75 m long vein cutting through rhyolite welded tuff-breccia with low fracture density, bounded by two linears. (Figure 5) Samples N19R and N20R are unique in that they show rounded, partly resorbed silicified fragments surrounded by banded grey chalcedony. The association of this texture with high Au values may be significant.

The quartz breccia-rich zones near the intersection of the strongest 30° linear with the main fault returned Au values of up to 750 ppb. Other veins and also the silicification zones are less geochemically active. In general, this seems to be a gold-only system, with Ag, As, Sb and Hg at detection levels.

#### Central Zone

Dense concentrations of quartz breccia float occur immediately underneath a steep corniced snowbank below BL 19+00 to 24+00N. Subcrop on the ridge above the snowbank consists of porphyritic trachyandesite, while rhyolite welded tuff breccia subcrops below it. An inferred fault under the snowbank probably hosts the quartz breccia veins. Scattered vein float on the bench below the snowbank is associated with streams of porphyritic trachyandesite talus, and thus has undergone considerable downhill transport. Samples of the quartz breccias returned up to 25 ppb Au, with Ag, As, Sb, and Hg at detection levels.

### SW Zone

The SW Zone is virtually all subcrop. Each individual consistent boulder train is considered to be derived from a single vein. The boulder trains, their textures and analytical results are shown on Figure 4.

Quartz veining in the SW Zone extends over an 800 x 800 m area within a fault block composed of pyroclastics and felsic-epiclastics. (Figure 4) The former unit includes green sparse-clast rhyolite unwelded lapilli tuff, or tuff-breccia (Rlapt), purple rhyolite lithic welded tuff (rt) and small-scale mixtures of the two. The latter consists of bedded, crowded clast breccias (Rbv) and massive to laminated volcanic mudstones (Res).

An east-west trending fault forms the northwestern limit of the fault block and also of the zone of veining. Within the zone, a number of linear depressions high with fracture density and argillic alteration run parallel to this fault. Most of the quartz veins occur within, and parallel to the length of, the EW topographic linears. Several exceptions should be noted, however (Figure 4); in particular vein SlR, which trends at 155°.

Vein textures include most of the variations listed for the NE Zone, except for amethyst, sinter textures and fluorite molds. Vein SlR is unique in that it contains spectacular cockade quartz.

Au values range up to 540/490 ppb in M4R with Ag, As, Sb and Hg consistently at or near the detection limit. One sample of argillic alteration, M12R, returned 105 ppb Au.

Outside the argillic-altered zones, secondary epidote occurs after plagioclase phenocrysts in the purple rhyolite welded tuff breccias; and in fractures in brecciated rocks. Secondary chlorite and siderite/ankerite were identified in thin section in the green sparse-clast rhyolite tuff-breccias.

#### Far SW Zone

A fault block underlain by trachyandesite, lahars and laminated epiclastic sediments occupies part of the cirque wall near 0+00 (Figure 4). Its bounding faults host quartz veins. One of these veins (YS5N5R) yielded the highest Au (7900 ppb) and highest Ag (53.0 ppm) yet obtained on the property. A hundred m NE of N5R, YS5 J6R returned 2500 ppb; an intervening sample, YS5N6R, returned 290 ppb Au. The vein at N5R is so far unique on the property in that it contains pyrite clumps and traces of galena (?). Quartz in it is coarsely crystalline and occurs in subcrop as chips in a gossany matrix. The remainder of the vein, at N6R and J6R, is a silicified quartz breccia such as is common elsewhere on the grid.

#### GRID SOIL GEOCHEMISTRY

##### Procedures

Soil or talus fine samples were collected at 25 m intervals wherever possible on the SW Zone and NE Zone grids. Samples were obtained at roughly 10 cm depth and are of C, or rarely B-horizon. The samples were submitted to Chemex Labs Ltd., where they were screened, or in some cases ground, to -80 mesh and then analysed for Au, Ag, As, Sb and Hg.

### Results

Gold and silver grid soil geochemistry for the NE and SE Zones are plotted on Figure 6. The Central Zone was not soil sampled, because the observed strong degree of downhill colluvial transport within it would make soil data of highly questionable significance. Complete results for Au, Ag, As, Sb and Hg appear in Appendix I.

These data were not contoured, as all of the silvers and all but a few of the golds are background to very slightly anomalous. Single-station gold anomalies greater than 100 ppb Au are as follows:

| <u>Au (ppb)</u> | <u>Location</u> | <u>Correlation</u>   |
|-----------------|-----------------|--|
| 2250 ppb        |                 | in same vein as YT5N19R (6450 ppb); local rock sample (N20R) returned 55 ppb Au. |
| 210 ppb         | 11N6+25W        | in altered zone next to vein YS5S3R (100 ppb Au)                                 |
| 110 ppb         | 11N7+50W        | no nearby vein or altered zone.  |

### VLF SURVEY

#### Procedures

A VLF (EM-16) survey was conducted over the SW and NE Zones. No survey was attempted over the Central Zone, as the major structure there is inferred to lie under a steep, corniced névé field. (Figure 4). The survey was done with a consistent SE facing direction, using the station at Cutler, Maine (24.0 KHZ).

## Results

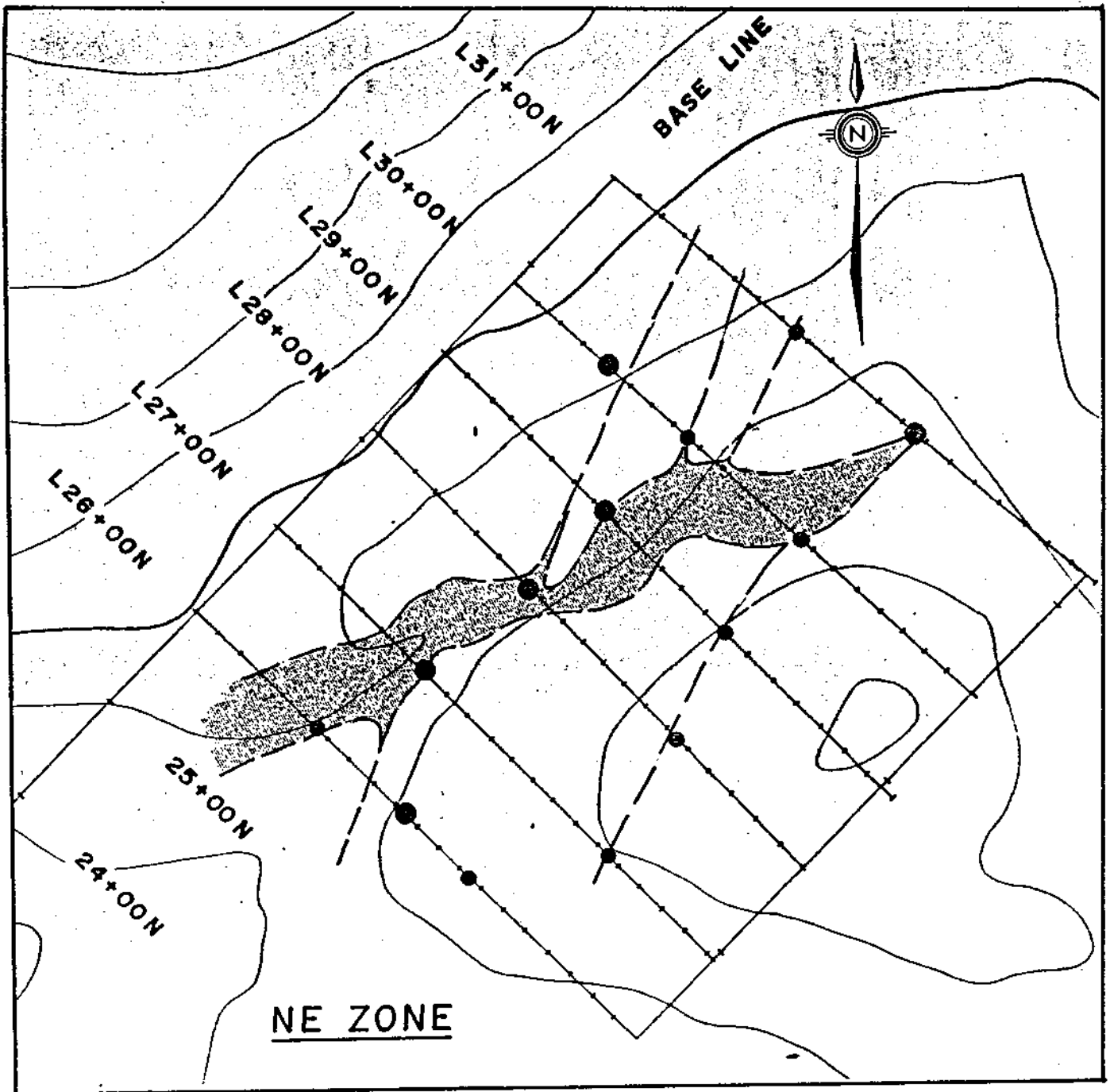
Complete tilt, quadrature and Fraser Filter <sup>1</sup> profiles are presented on Figure 7. The Fraser Filter peaks are plotted, along with geologically defined structures, on Figures 8 and 9 for the NE and SW Zones respectively.

In the NE Zone, Fraser Filter peaks occur both over the major structure and over subsidiary fractures. (Figure 8) On each line, a single peak occurs over the major structure. From surface geological observations, the relatively high conductivity of this, and all of the other structures as well, is due to high clay content and high fracture density, which tend to create a highly permeable, water-rich zone.

A series of Fraser Filter anomalies extends from 29N, 3+87E to 27N, 3+25E. This trend parallels the subsidiary structures defined as topographic lineaments. Geologically, it is a dog's breakfast of frost-heaved trachyandesite and rhyolite float. (Figure 4) The VLF data sheds light on this confusion, by suggesting that the area is a subsidiary fracture filled with rhyolite dykes.

The pattern of Fraser Filter peaks in the SW Zone is dominated by two linear trends associated with the two most prominent alteration zones defined by mapping. (Figure 9) These zones trend at 45-50° and pass through 11N, 3W and 6+50W respectively. The alteration zones as depicted by geologic mapping terminate downhill to the southwest. This is probably due to the gradual progression from subcrop to colluvium as one proceeds downslope, and the masking of zones of high fracture density by

1 Fraser Filter values are computed from the tilt data as follows:  $(A+B)-(C+D)$  where A, B, C, D are sequential tilt measurements at adjacent stations, read in direction from the operator to the VLF-transmitting station, in this case NW to SE.



Zone of high fracture density and argillic alteration.



Major Fraser filter peak



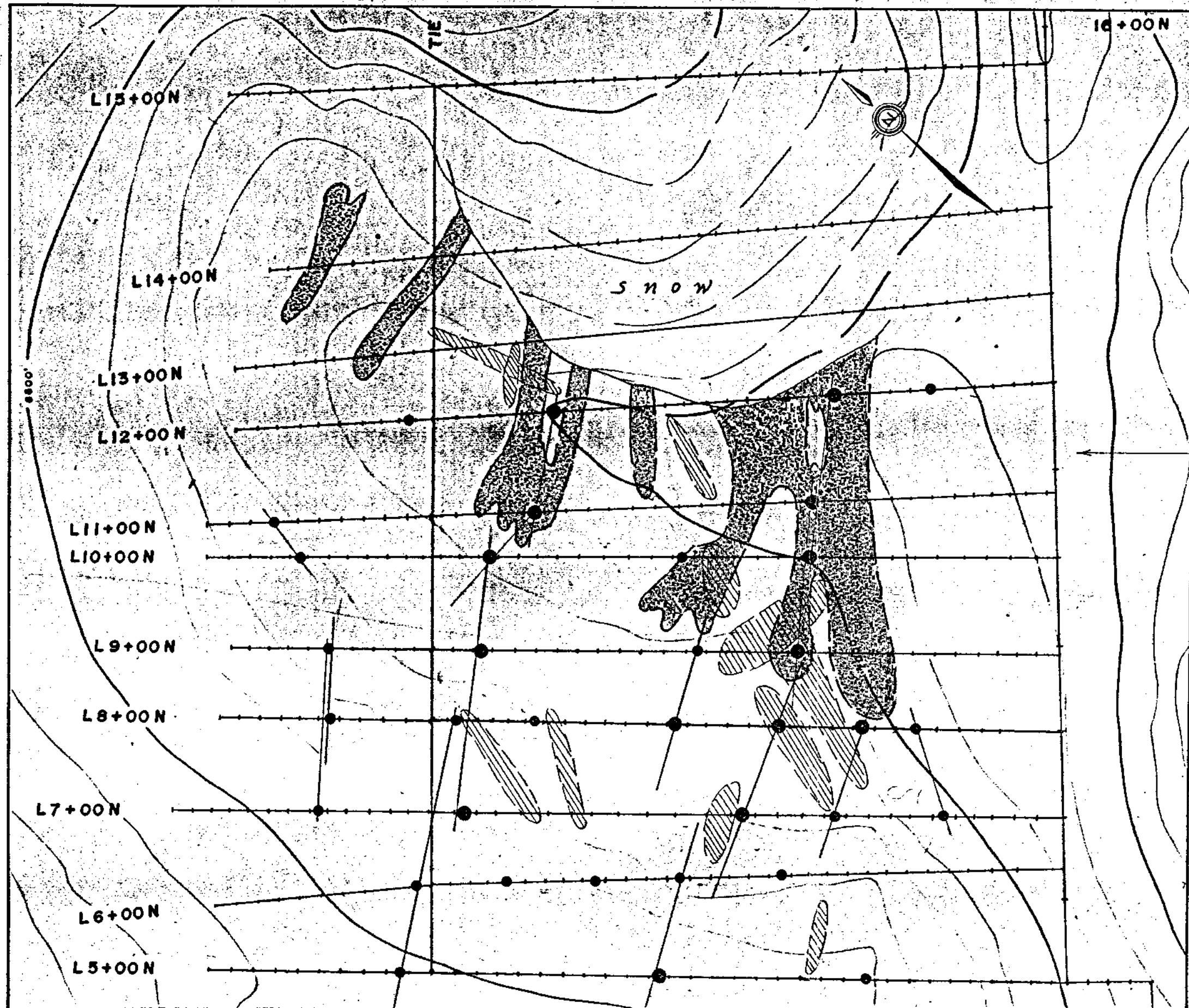
Minor Fraser filter peak






FIG. 8



METRES

|  |                     |
|--|---------------------|
| KERR ADDISON MINES LTD                             |                     |
| 'THE' & 'SAID' PROPERTY<br>AGIP<br>YUKON TERRITORY |                     |
| GEOLOGICAL STRUCTURES<br>AND FRASER FILTER PEAKS   |                     |
| SCALE - 1:5000                                     | DATE - AUGUST, 1985 |
| DRAWN BY - P.H.                                    | DATA -              |
| NTS - 105 D 6                                      | REVISED -           |



-  Vein boulder train
-  Zone of high fracture density and argillic alteration.
-  Major Fraser filter peak.
-  Minor Fraser filter peak.
-  Hypothetical structure from Fraser filter data.

← SW ZONE

FIG. 9



|  |                     |
|--|---------------------|
| KERR ADDISON MINES LTD                             |                     |
| 'THE' & 'SAID' PROPERTY<br>AGIP<br>YUKON TERRITORY |                     |
| GEOLOGICAL STRUCTURES<br>AND FRASER FILTER PEAKS   |                     |
| SCALE - 1:5000                                     | DATE - AUGUST, 1985 |
| DRAWN BY - P.H.                                    | DATA -              |
| NTS - 105 D 6                                      | REVISED -           |

increasingly mixed talus. The VLF data definitely shows that these alteration zones continue as far southwest as L5N.

The correlation of Fraser Filter highs with specific veins or quartz boulder trains is poor, probably because the highs correspond to edges of argillic-altered zones, which only a few of the quartz veins follow. Instances of quartz veins that are accompanied by specific VLF response include: S2R, S9R, M3R, and more obscurely S7R.

#### TRENCHING RESULTS


Two trenches were blasted in the NE Zone, located at 27N, 1+25 - 1+50E and 28N, 1+75 - 2+00E (Figure 5). This work was done by H. Johnson and S. Goertz from August 22 - Sept. 1. Although sited in apparent subcrop, these trenches failed to encounter bedrock at 2 m depth. They were abandoned when they encountered the water table. One rubble sample, YT5S1R, was recovered from the bottom of Trench 2.

*J. Nelson*

STATEMENT OF QUALIFICATIONS

I, JoAnne Nelson, graduated with a B.Sc. degree in geology from the University of Washington in 1973; and with an M.Sc. in geology from the University of British Columbia in 1976. I have been employed as a geologist since 1978, in the exploration industry and as a lecturer at the University of British Columbia.

I was directly involved in the 1985 field program on the SAID and THE properties.

  
J. Nelson  
Geologist

REFERENCES

- Pautler, J., 1985: Geological and Geochemical report on the SAID and THE Claims, NTS 105D/6,3. Assessment Report, Whitehorse Mining Division, Yukon.
- Pride, Monica, 1985: Preliminary geological map of Mount Skukum Volcanic Complex 105D 2,3,4,5 Open File Map, Indian and Northern Affairs Canada Exploration and Geological Services Division.

APPENDIX I  
STATEMENT OF COSTS

STATEMENT OF COSTS

|   | <u>Office</u> | <u>Field</u> | <u>Travel<br/>(in Y.T.)</u>           | <u>Total</u> |
|---|---------------|--------------|---------------------------------------|--------------|
| J. Nelson, Geologist,<br>2980 W. 8th Ave.,<br>Vancouver, B.C.         | 25            | 30           | 2                                     | 57           |
| D. Arscott, Geologist,<br>2275 W. 20th Ave.,<br>Vancouver, B.C.       | 0             | 4            | 2                                     | 6            |
| J. Mackay, Geologist<br>#30-144-10th St.,<br>Brandon, Manitoba        | 4             | 30           | 2                                     | 36           |
| S. Goertz, Geologist<br>1038 Marigold Ave.,<br>North Vancouver, B.C.  | 5             | 30           | 2                                     | 37           |
| S. Friday, Geologist<br>521 East Keith Road,<br>North Vancouver, B.C. | 10            | 21           | 2                                     | 33           |
| H. Johnson, Blaster<br>703-1112 West Pender St.,<br>Vancouver, B.C.   | 0             | 9            | 2                                     | <u>11</u>    |
|   |               |              | Total person days:                    | 180          |
|   |               |              | Total wages (including<br>15% burden) | \$19,665     |

Expenses

Helicopter

|           |            |
|-----------|------------|
| August 7  | 1.6        |
| August 9  | .5         |
| August 10 | 1.0        |
| August 13 | .7         |
| August 14 | .5         |
| August 15 | 1.2        |
| August 16 | 1.2        |
| August 17 | .4         |
| August 22 | .7         |
| August 26 | .6         |
| August 27 | .5         |
| Sept. 2   | <u>3.0</u> |

11.9 hr @ \$517/hr

\$ 6,152

|   |              |
|---|--------------|
| Analyses: 460 soil samples for Au, Ag, As, Sb, Hg<br>@ \$30 (rush rate) |              |
| 60 rock samples for Au, Ag, As, Sb, Hg<br>@ \$30 (rush rate)            | \$15,600     |
| Food: 132 person days x \$20  | 2,640        |
| Hotel (6 August, 27 August, 2 September)                                | 300          |
| Shipping, postage:  | 1,100        |
| Field supplies: pickets, propane, etc.                                  | 1,500        |
| Blasting supplies, rental of rock drills                                | 2,500        |
| Truck rental - 33 days @ \$45   | <u>1,485</u> |
| TOTAL PROGRAM COST:   | \$50,942     |

The above total represents the minimum true cost of the Phase II 1985 SAID-THE program.

*J. Nelson*

APPENDIX II

GEOCHEMICAL RESULTS



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AUG 21 1985

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703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515068-001-A  
INVOICE # : I8515068  
DATE : 21-AUG-85  
P.O. # : NONE

*Ag in SN)  
9A superceded  
by 30 Sept sheet*

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| ✓ BL 0+00          | 203       | 0.2              | 5         | 70        | 0.5       | <5              | -- |
| ✓ BL 1+00N         | 203       | 0.1              | 1         | 50        | 0.3       | <5              | -- |
| ✓ 1+00N 1+00E      | 203       | 0.7              | 3         | 60        | 0.4       | <5              | -- |
| ✓ 2+00N 1+00E      | 203       | 0.3              | 1         | 40        | 0.2       | <5              | -- |
| ✓ 3+00N 1+00E      | 217       | 0.2              | 6         | 40        | 0.4       | <5              | -- |
| ✓ 4+00N 1+00E      | 203       | 0.3              | 2         | 60        | 0.2       | <5              | -- |
| ✓ 5+00N 00+25E     | 217       | 0.2              | 1         | 40        | 0.2       | <5              | -- |
| ✓ 5+00N 00+75E     | 203       | 0.2              | 1         | 50        | 0.2       | 30              | -- |
| ✓ 5+00N 01+00E     | 203       | 0.2              | 1         | 50        | 0.2       | 5               | -- |
| ✓ 5N 00+25W        | 217       | 0.2              | 2         | 30        | 0.2       | <5              | -- |
| ✓ 5N 00+50W        | 217       | 0.2              | 6         | 30        | 0.1       | <5              | -- |
| ✓ 5N 01+00W        | 217       | 0.5              | 2         | 20        | 0.1       | <5              | -- |
| ✓ 5N 01+75W        | 217       | 0.3              | 2         | 30        | 0.2       | <5              | -- |
| 5N 02+00W          | 203       | 0.5              | 2         | 40        | 0.3       | <5              | -- |
| 5N 02+25W          | 203       | 0.4              | 2         | 40        | 0.2       | <5              | -- |
| 5N 02+50W          | 203       | 0.2              | 1         | 30        | 0.2       | <5              | -- |
| 5N 02+75W          | 203       | 0.3              | 1         | 40        | 0.2       | <5              | -- |
| 5N 03+00W          | 203       | 0.1              | 2         | 40        | 0.2       | <5              | -- |
| 5N 03+25W          | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 5N 03+50W          | 203       | 0.1              | 1         | 40        | 0.1       | <5              | -- |
| 5N 03+75W          | 203       | 0.2              | 2         | 40        | 0.1       | <5              | -- |
| 5N 04+00W          | 217       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 5N 04+25W          | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 5N 04+50W          | 203       | 0.1              | 1         | 20        | 0.1       | <5              | -- |
| 5N 04+75W          | 203       | 0.1              | 1         | 30        | 0.1       | 10              | -- |
| 5N 05+00W          | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 5N 05+25W          | 203       | 0.1              | 1         | 20        | 0.2       | <5              | -- |
| 5N 05+50W          | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 5N 05+75W          | 203       | 0.1              | 3         | 10        | 0.1       | <5              | -- |
| 5N 06+00W          | 203       | 0.1              | 1         | 20        | 0.2       | <5              | -- |
| 5N 06+25W          | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 5N 06+50W          | 203       | 0.1              | 3         | 30        | 0.4       | <5              | -- |
| 5N 06+75W          | 217       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 5N 07+00W          | 203       | 0.1              | 1         | 40        | 0.2       | 35              | -- |
| 5N 07+25W          | 203       | 0.1              | 2         | 50        | 0.3       | <5              | -- |
| 5N 07+50W          | 203       | 0.1              | 1         | 50        | 0.2       | <5              | -- |
| 5N 07+75W          | 203       | 0.1              | 2         | 50        | 0.3       | <5              | -- |
| 5N 08+00W          | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 5N 08+25W          | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 5N 08+50W          | 203       | 0.1              | 1         | 40        | 0.3       | <5              | -- |

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CERT. # : A8515068-002-A  
INVOICE # : I8515068  
DATE : 21-AUG-85  
P.O. # : NCNE  
Y-10

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| 5N 08+75W          | 203       | 0.1              | 1         | 50        | 0.5       | <5              | -- |
| 5N 09+00W          | 203       | 0.3              | 3         | 60        | 0.6       | <5              | -- |
| 5N 09+25W          | 203       | 0.3              | 2         | 40        | 0.2       | <5              | -- |
| 5N 09+50W          | 203       | 0.1              | 3         | 40        | 0.4       | <5              | -- |
| 5N 09+75W          | 203       | 0.1              | 2         | 50        | 0.4       | <5              | -- |
| 5N 10+00W          | 203       | 0.1              | 2         | 40        | 0.3       | 35              | -- |
| 6N 00+25W          | 203       | 0.5              | 1         | 40        | 0.1       | 10              | -- |
| 6N 07+50W          | 203       | 0.1              | 1         | 30        | 0.4       | <5              | -- |
| 6N 07+75W          | 203       | 0.1              | 1         | 40        | 0.2       | <5              | -- |
| 6N 08+00W          | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 6N 08+25W          | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 6N 08+50W          | 203       | 0.1              | 1         | 50        | 0.3       | 10              | -- |
| 6N 08+75W          | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 6N 09+00W          | 203       | 0.1              | 2         | 20        | 0.2       | 5               | -- |
| 6N 09+25W          | 203       | 0.1              | 3         | 60        | 0.2       | 5               | -- |
| 6N 09+50W          | 203       | 0.1              | 2         | 40        | 0.1       | <5              | -- |
| 6N 09+75W          | 203       | 0.1              | 2         | 70        | 0.2       | <5              | -- |
| 6N 10+00W          | 203       | 0.1              | 2         | 70        | 0.2       | <5              | -- |
| 7N 00+25W          | 203       | 0.6              | 1         | 60        | 0.5       | <5              | -- |
| 7N 00+50W          | 203       | 1.1              | 1         | 40        | 0.3       | 60              | -- |
| 7N 00+75W          | 203       | 0.3              | 1         | 50        | 0.2       | 5               | -- |
| 7N 01+00W          | 203       | 0.3              | 1         | 40        | 0.4       | 5               | -- |
| 7N 01+50W          | 203       | 0.5              | 4         | 70        | 0.9       | 5               | -- |
| 7N 01+75W          | 203       | 0.4              | 2         | 60        | 0.6       | <5              | -- |
| 7N 02+00W          | 203       | 0.1              | 1         | 40        | 0.4       | 5               | -- |
| 7N 02+25W          | 203       | 0.1              | 1         | 50        | 0.4       | 10              | -- |
| 7N 02+50W          | 203       | 0.2              | 1         | 50        | 0.6       | <5              | -- |
| 7N 02+75W          | 217       | 0.1              | 1         | 30        | 0.4       | <5              | -- |
| 7N 03+00W          | 203       | 0.5              | 1         | 40        | 0.4       | <5              | -- |
| 7N 03+25W          | 203       | 0.6              | 1         | 50        | 0.5       | <5              | -- |
| 7N 03+50W          | 203       | 0.4              | 2         | 40        | 0.6       | <5              | -- |
| 7N 03+75W          | 203       | 0.5              | 2         | 40        | 0.2       | <5              | -- |
| 7N 04+00W          | 203       | 0.2              | 2         | 30        | 0.2       | <5              | -- |
| 7N 04+25W          | 203       | 0.2              | 1         | 40        | 0.3       | 20              | -- |
| 7N 04+50W          | 203       | 0.1              | 2         | 40        | 0.2       | 5               | -- |
| 7N 04+75W          | 203       | 0.2              | 1         | 30        | 0.2       | 10              | -- |
| 7N 05+00W          | 203       | 0.1              | 1         | 40        | 0.2       | <5              | -- |
| 7N 05+50W          | 203       | 0.1              | 2         | 30        | 0.1       | <5              | -- |
| 7N 05+75W          | 203       | 0.1              | 4         | 30        | 0.3       | 40              | -- |
| 7N 06+00W          | 203       | 0.1              | 2         | 30        | 0.3       | <5              | -- |

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V6E 2S1

CERT. # : A8515068-003-A  
INVOICE # : I8515068  
DATE : 21-AUG-85  
P.O. # : NONE  
Y-10

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| 7N 06+25W          | 203       | 0.1              | 3         | 60        | 0.6       | <5              | -- |
| 7N 06+50W          | 203       | 0.1              | 1         | 50        | 0.4       | <5              | -- |
| 7N 06+75W          | 203       | 0.1              | 1         | 50        | 0.3       | <5              | -- |
| 7N 07+00W          | 203       | 0.1              | 2         | 50        | 0.2       | <5              | -- |
| 7N 07+25W          | 203       | 0.1              | 4         | 80        | 0.2       | <5              | -- |
| 7N 07+50W          | 203       | 0.1              | 2         | 50        | 0.2       | <5              | -- |
| 7N 07+75W          | 203       | 0.2              | 2         | 110       | 0.1       | <5              | -- |
| 7N 08+00W          | 203       | 0.1              | 3         | 40        | 0.2       | <5              | -- |
| 7N 08+25W          | 203       | 0.2              | 3         | 50        | 0.2       | <5              | -- |
| 7N 08+75W          | 203       | 0.2              | 3         | 70        | 0.4       | <5              | -- |
| 7N 09+00W          | 203       | 0.1              | 3         | 60        | 0.4       | <5              | -- |
| 7N 09+25W          | 203       | 0.1              | 2         | 40        | 0.3       | <5              | -- |
| 7N 09+50W          | 203       | 0.1              | 3         | 70        | 0.3       | <5              | -- |
| 7N 09+75W          | 203       | 0.1              | 1         | 30        | 0.3       | <5              | -- |
| 7N 10+00W          | 203       | 0.1              | 2         | 50        | 0.2       | <5              | -- |
| 8N 02+50W          | 203       | 0.1              | 3         | 40        | 0.3       | <5              | -- |
| 8N 02+75W          | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 8N 03+00W          | 203       | 0.1              | 1         | 30        | 0.1       | 5               | -- |
| 8N 03+25W          | 203       | 0.1              | 1         | 20        | 0.2       | 10              | -- |
| 8N 03+50W          | 203       | 0.1              | 1         | 20        | 0.3       | <5              | -- |
| 8N 03+75W          | 203       | 0.1              | 2         | 20        | 0.2       | 25              | -- |
| 8N 04+00W          | 203       | 0.2              | 1         | 30        | 0.3       | 5               | -- |
| 8N 04+25W          | 203       | 0.2              | 2         | 30        | 0.2       | <5              | -- |
| 8N 04+50W          | 203       | 0.2              | 1         | 20        | 0.2       | <5              | -- |
| 8N 04+75W          | 203       | 0.1              | 1         | 20        | 0.1       | <5              | -- |
| 8N 05+00W          | 203       | 0.1              | 3         | 40        | 0.1       | <5              | -- |
| 8N 05+25W          | 203       | 0.1              | 1         | 30        | 0.2       | 5               | -- |
| 8N 05+50W          | 203       | 0.2              | 2         | 30        | 0.2       | 10              | -- |
| 8N 05+75W          | 203       | 0.2              | 1         | 30        | 0.1       | <5              | -- |
| 8N 06+00W          | 203       | 0.2              | 1         | 20        | 0.1       | <5              | -- |
| 8N 06+25W          | 203       | 0.1              | 2         | 20        | 0.2       | <5              | -- |
| 8N 06+50W          | 203       | 0.1              | 1         | 20        | 0.2       | <5              | -- |
| 8N 06+75W          | 203       | 0.1              | 1         | 20        | 0.1       | <5              | -- |
| 8N 07+00W          | 203       | 0.1              | 1         | 20        | 0.2       | <5              | -- |
| 8N 07+25W          | 203       | 0.1              | 3         | 30        | 0.2       | <5              | -- |
| 8N 07+75W          | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 8N 08+00W          | 203       | 0.1              | 1         | 30        | 0.1       | 5               | -- |
| 8N 08+25W          | 203       | 0.1              | 3         | 40        | 0.2       | <5              | -- |
| 8N 08+50W          | 203       | 0.1              | 4         | 50        | 0.2       | <5              | -- |
| 8N 08+75W          | 203       | 0.2              | 1         | 40        | 0.1       | <5              | -- |

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V6E 2S1

CERT. # : A8515068-004-A  
INVOICE # : I8515068  
DATE : 21-AUG-85  
P.O. # : NONE  
Y-10

| Sample description   | Prep code      | Ag ppm<br>Aqua R | AS<br>ppm    | Hg<br>ppb     | Sb<br>ppm      | Au ppb<br>FA+AA  |               |
|----------------------|----------------|------------------|--------------|---------------|----------------|------------------|---------------|
| 8N 09+00W            | 203            | 0.2              | 1            | 50            | 0.2            | <5               | --            |
| 8N 09+25W            | 203            | 0.2              | 2            | 60            | 0.2            | <5               | --            |
| 8N 09+50W            | 203            | 0.2              | 2            | 30            | 0.1            | <5               | --            |
| 8N 09+75W            | 203            | 0.1              | 3            | 60            | 0.2            | <5               | --            |
| 8N 10+00W            | 203            | 0.2              | 5            | 50            | 0.1            | <5               | --            |
| <del>9N 05+25W</del> | <del>203</del> | <del>0.1</del>   | <del>2</del> | <del>20</del> | <del>0.1</del> | <del>&lt;5</del> | <del>--</del> |
| 9N 05+50W            | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 9N 05+75W            | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 9N 06+00W            | 203            | 0.1              | 1            | 40            | 0.1            | <5               | --            |
| 9N 06+25W            | 217            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 9N 06+50W            | 203            | 0.1              | 1            | 30            | 0.1            | <5               | --            |
| 9N 06+75W            | 217            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 9N 07+00W            | 217            | 0.1              | 1            | 30            | 0.1            | <5               | --            |
| 9N 07+25W            | 217            | 0.1              | 1            | 30            | 0.1            | <5               | --            |
| 9N 07+50W            | 203            | 0.1              | 1            | 40            | 0.2            | <5               | --            |
| 9N 07+75W            | 203            | 0.1              | 1            | 30            | 0.1            | 5                | --            |
| 9N 08+00W            | 203            | 0.1              | 1            | 40            | 0.1            | <5               | --            |
| 9N 08+25W            | 217            | 0.1              | 1            | 40            | 0.1            | <5               | --            |
| 9N 08+50W            | 203            | 0.1              | 2            | 30            | 0.1            | 15               | --            |
| 9N 09+00W            | 203            | 0.1              | 2            | 30            | 0.2            | <5               | --            |
| 9N 09+25W            | 203            | 0.1              | 1            | 50            | 0.2            | <5               | --            |
| 9N 09+50W            | 203            | 0.1              | 2            | 30            | 0.2            | <5               | --            |
| 9N 09+75W            | 203            | 0.1              | 2            | 30            | 0.2            | 5                | --            |
| 9N 10+00W            | 203            | 0.1              | 2            | 30            | 0.2            | 5                | --            |
| 10N 00+25W           | 217            | 0.1              | 1            | 30            | 0.1            | 5                | --            |
| 10N 00+50W           | 203            | 0.1              | 1            | 20            | 0.1            | 10               | --            |
| 10N 00+75W           | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 10N 01+00W           | 217            | 0.1              | 1            | 30            | 0.1            | <5               | --            |
| 10N 01+25W           | 203            | 0.1              | 1            | 30            | 0.1            | <5               | --            |
| 10N 01+75W           | 217            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 10N 02+25W           | 217            | 0.5              | 1            | 30            | 0.1            | <5               | --            |
| 10N 02+50W           | 203            | 0.2              | 1            | 20            | 0.2            | <5               | --            |
| 10N 02+75W           | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 10N 03+00W           | 203            | 0.1              | 1            | 20            | 0.1            | 25               | --            |
| 10N 03+25W           | 203            | 0.3              | 4            | 30            | 0.2            | <5               | --            |
| 10N 03+50W           | 217            | 0.1              | 2            | 20            | 0.2            | <5               | --            |
| 10N 03+75W           | 203            | 0.1              | 2            | 20            | 0.1            | 10               | --            |
| 10N 04+00W           | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 10N 04+25W           | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |
| 10N 04+50W           | 203            | 0.1              | 1            | 20            | 0.1            | <5               | --            |

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Canada V7J 2C1

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

## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515068-005-A  
INVOICE # : I9515068  
DATE : 21-AUG-85  
P.O. # : NONE  
Y-10

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| 10N 04+75W         | 203       | 0.1              | 2         | 40        | 0.2       | <5              | -- |
| 10N 05+00W         | 217       | 0.1              | 3         | 30        | 0.1       | <5              | -- |
| 10N 05+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 10N 05+50W         | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 10N 05+75W         | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 10N 06+00W         | 217       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 10N 06+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 10N 06+50W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | -- |
| 10N 06+75W         | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 10N 07+00W         | 217       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 10N 07+25W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | -- |
| 10N 07+75W         | 217       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 10N 08+00W         | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 10N 08+25W         | 203       | 0.1              | 1         | 50        | 0.1       | <5              | -- |
| 10N 08+50W         | 203       | 0.1              | 1         | 40        | 0.2       | 40 -            | -- |
| 10N 08+75W         | 203       | 0.1              | 1         | 40        | 0.1       | 15 -            | -- |
| 10N 09+00W         | 203       | 0.1              | 1         | 40        | 0.2       | 5               | -- |
| 10N 09+25W         | 203       | 0.1              | 1         | 30        | 0.3       | 10.             | -- |
| 10N 09+50W         | 203       | 0.1              | 2         | 40        | 0.2       | <5              | -- |
| 10N 09+75W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 10N 10+00W         | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 15N 01+50W         | 217       | 0.1              | 1         | 30        | 0.1       | <5              | -- |
| 15N 02+25W         | 203       | 0.1              | 6         | 50        | 0.2       | 5               | -- |
| 15N 02+50W         | 217       | 0.1              | 4         | 20        | 0.1       | <5              | -- |
| 15N 05+00W         | 203       | 0.1              | 2         | 30        | 0.1       | 5               | -- |
| 15N 05+50W         | 217       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 15N 05+75W         | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 15N 06+00W         | 217       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 15N 06+25W         | 203       | 0.1              | 2         | 40        | 0.3       | 5               | -- |
| 15N 06+50W         | 203       | 0.1              | 2         | 50        | 0.2       | 10-             | -- |
| 15N 06+75W         | 203       | 0.1              | 2         | 50        | 0.4       | <5              | -- |
| 15N 07+00W         | 203       | 0.1              | 2         | 50        | 0.2       | <5              | -- |
| 15N 07+25W         | 203       | 0.1              | 2         | 40        | 0.2       | <5              | -- |
| 15N 07+50W         | 203       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 15N 07+75W         | 203       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| 15N 08+00W         | 203       | 0.1              | 2         | 40        | 0.1       | 5               | -- |
| 15N 08+25W         | 217       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| 15N 08+50W         | 217       | 0.1              | 5         | 50        | 0.4       | <5              | -- |
| 15N 09+00W         | 217       | 0.1              | 1         | 30        | 0.3       | <5              | -- |
| 15N 09+75W         | 203       | 0.1              | 1         | 30        | 0.3       | <5              | -- |

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Telex: 043-52597

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TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515063-006-A  
INVOICE # : I8515068  
DATE : 21-AUG-85  
P.O. # : NONE  
Y-10

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| 15N 10+00W         | 203       | 0.1              | 1         | 40        | 0.3       | <5              | -- |

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*Hart Bichler*



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 Phone: (604) 984-0222  
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|-------------------------|
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|-------------------------|

PER

TO : KERR ADDISON MINES LTD.  
 (ATTN: RAY DUJARDIN)  
 703 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1

CERT. # : A8515294-001-A  
 INVOICE # : 18515294  
 DATE : 1-OCT-85  
 P.O. # : NONE  
 Y10

ATTN: J. NELSON, J. MACKAY & S. GOERTY

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>pdm | Hg<br>ppb | Sb<br>pdm | Au ppb<br>FA+AA | Ag<br>ppm |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|-----------|
| BL 06+00N          | 203       | 0.2              | 1         | 70        | 0.1       | <5              | 0.2       |
| BL 07+00N          | 203       | 1.4              | 1         | 40        | 0.1       | <5              | 1.3       |
| BL 09+00N          | 203       | 0.7              | 1         | 50        | 0.1       | <5              | 0.6       |
| BL 10+00N          | 203       | 0.3              | 1         | 60        | 0.1       | <5              | 0.2       |
| BL 11+00N          | 203       | 0.6              | 1         | 50        | 0.1       | <5              | 0.2       |
| BL 13+00N          | 203       | 0.3              | 11        | 30        | 0.1       | <5              | 0.2       |
| BL 14+00N          | 203       | 0.5              | 2         | 40        | 0.1       | <5              | 0.1       |
| BL 15+00N          | 203       | 0.2              | 1         | 40        | 0.1       | <5              | 0.1       |
| BL 16+00N          | 203       | 1.4              | 3         | 50        | 0.1       | <5              | 1.3       |
| BL 17+00N          | 203       | 0.2              | 1         | 40        | 0.1       | <5              | 0.1       |
| BL 18+00N          | 203       | 0.3              | 3         | 40        | 0.1       | <5              | 0.2       |
| BL 19+00N          | 203       | 0.2              | 1         | 30        | 0.1       | <5              | 0.1       |
| BL 20+00N          | 203       | 0.1              | 1         | 40        | 0.1       | <5              | 0.1       |
| BL 21+00N          | 203       | 0.1              | 2         | 40        | 0.1       | <5              | 0.1       |
| BL 23+00N          | 203       | 0.3              | 4         | 30        | 0.1       | <5              | 0.2       |
| BL 25+00N          | 203       | 0.4              | 5         | 30        | 0.1       | <5              | 0.3       |
| BL 26+00N          | 203       | 0.6              | 2         | 30        | 0.2       | <5              | 0.3       |
| BL 28+00N          | 203       | 1.0              | 3         | 40        | 0.1       | <5              | 0.7       |
| BL 29+00N          | 203       | 0.7              | 2         | 50        | 0.1       | <5              | 0.3       |
| BL 30+00N          | 203       | 0.6              | 5         | 50        | 0.6       | <5              | 0.2       |
| BL 31+00N          | 203       | 0.5              | 3         | 30        | 0.2       | <5              | 0.2       |
| 06N 00+50W         | 203       | 0.7              | 1         | 40        | 0.1       | <5              | 0.5       |
| 06N 00+75W         | 203       | 0.7              | 1         | 40        | 0.1       | <5              | 0.3       |
| 06N 01+00W         | 203       | 0.5              | 1         | 30        | 0.1       | <5              | 0.3       |
| 06N 01+25W         | 203       | 0.8              | 2         | 40        | 0.1       | <5              | 0.3       |
| 06N 01+50W         | 203       | 0.7              | 1         | 40        | 0.1       | <5              | 0.2       |
| 06N 01+75W         | 203       | 0.4              | 2         | 30        | 0.1       | <5              | 0.3       |
| 06N 02+00W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | 0.1       |
| 06N 02+25W         | 203       | 0.5              | 1         | 50        | 0.1       | <5              | 0.3       |
| 06N 02+75W         | 203       | 0.4              | 1         | 40        | 0.1       | <5              | 0.3       |
| 06N 03+00W         | 203       | 0.3              | 1         | 40        | 0.1       | <5              | 0.2       |
| 06N 03+25W         | 203       | 0.3              | 1         | 40        | 0.1       | <5              | 0.2       |
| 06N 03+50W         | 203       | 0.6              | 1         | 40        | 0.2       | <5              | 0.6       |
| 06N 03+75W         | 203       | 0.3              | 2         | 40        | 0.2       | <5              | 0.4       |
| 06N 04+00W         | 203       | 0.8              | 2         | 40        | 0.1       | <5              | 0.9       |
| 06N 04+25W         | 203       | 0.7              | 1         | 30        | 0.1       | 10              | 0.5       |
| 06N 04+50W         | 203       | 0.7              | 2         | 30        | 0.1       | <5              | 0.5       |
| 06N 04+75W         | 203       | 0.8              | 1         | 30        | 0.1       | <5              | 0.6       |
| 06N 05+00W         | 203       | 0.7              | 1         | 40        | 0.1       | <5              | 0.4       |
| 06N 05+25W         | 203       | 0.4              | 1         | 30        | 0.1       | <5              | 0.2       |

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OCT 1985

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Canada V7J 2C1  
Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515294-002-A  
INVOICE # : I8515294  
DATE : 1-OCT-85  
P.O. # : NONE  
Y10

ATTN: J. NELSON, J. MACKAY & S. GOERTY

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA | Ag<br>ppm |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|-----------|
| 06N 05+50W         | 203       | 0.2              | 2         | 50        | 0.1       | <5              | 0.2       |
| 06N 05+75W         | 203       | 0.3              | 2         | 40        | 0.2       | <5              | 0.2       |
| 06N 06+00W         | 203       | 0.2              | 1         | 30        | 0.2       | 75              | 0.1       |
| 06N 06+25W         | 203       | 0.2              | 1         | 40        | 0.1       | 30              | 0.2       |
| 06N 06+50W         | 203       | 0.2              | 2         | 30        | 0.1       | 15              | 0.1       |
| 06N 06+75W         | 203       | 0.4              | 4         | 50        | 0.2       | <5              | 0.1       |
| 06N 07+00W         | 203       | 0.2              | 4         | 40        | 0.1       | <5              | 0.2       |
| 06N 07+25W         | 203       | 0.2              | 1         | 30        | 0.1       | <5              | 0.1       |
| 08N 00+25W         | 203       | 0.4              | 2         | 30        | 0.1       | <5              | 0.3       |
| 08N 00+50W         | 203       | 0.7              | 1         | 40        | 0.1       | 35              | 0.5       |
| 08N 00+75W         | 203       | 1.0              | 1         | 30        | 0.1       | <5              | 0.9       |
| 08N 01+00W         | 203       | 0.7              | 1         | 30        | 0.1       | <5              | 0.3       |
| 08N 01+25W         | 203       | 0.4              | 2         | 40        | 0.1       | <5              | 0.3       |
| 08N 01+50W         | 203       | 0.4              | 1         | 40        | 0.1       | <5              | 0.2       |
| 08N 02+00W         | 203       | 0.5              | 1         | 30        | 0.1       | <5              | 0.3       |
| 08N 02+25W         | 203       | 0.3              | 1         | 30        | 0.1       | <5              | 0.1       |
| 09N 00+25W         | 203       | 0.5              | 1         | 30        | 0.1       | <5              | 0.3       |
| 09N 00+50W         | 203       | 0.2              | 1         | 30        | 0.1       | <5              | 0.3       |
| 09N 00+75W         | 203       | 0.3              | 1         | 30        | 0.2       | <5              | 0.3       |
| 09N 01+00W         | 203       | 0.4              | 1         | 50        | 0.1       | 5               | 0.2       |
| 09N 01+25W         | 203       | 0.2              | 1         | 40        | 0.1       | <5              | 0.3       |
| 09N 02+50W         | 203       | 0.4              | 1         | 40        | 0.1       | <5              | 0.2       |
| 09N 02+75W         | 203       | 0.4              | 1         | 40        | 0.1       | <5              | 0.2       |
| 09N 03+00W         | 203       | 0.4              | 2         | 40        | 0.1       | <5              | 0.4       |
| 09N 03+25W         | 203       | 0.7              | 1         | 40        | 0.1       | 15              | 1.1       |
| 09N 03+50W         | 203       | 0.3              | 1         | 40        | 0.1       | 10              | 0.3       |
| 09N 03+75W         | 203       | 0.3              | 1         | 40        | 0.1       | 5               | 0.3       |
| 09N 04+00W         | 203       | 0.4              | 1         | 40        | 0.1       | <5              | 0.2       |
| 09N 04+25W         | 203       | 0.2              | 2         | 30        | 0.1       | <5              | 0.2       |
| 09N 04+50W         | 203       | 0.3              | 2         | 30        | 0.1       | <5              | 0.3       |
| 09N 04+75W         | 203       | 0.4              | 2         | 30        | 0.1       | <5              | 0.2       |
| 09N 05+00W         | 203       | 0.3              | 1         | 40        | 0.1       | <5              | 0.3       |
| 11N 00+25W         | 203       | 0.4              | 1         | 40        | 0.1       | <5              | 0.2       |
| 11N 00+50W         | 203       | 0.2              | 1         | 50        | 0.1       | <5              | 0.3       |
| 11N 00+75W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | 0.2       |
| 11N 01+00W         | 203       | 0.1              | 3         | 50        | 0.1       | <5              | 0.2       |
| 11N 01+25W         | 203       | 0.3              | 1         | 40        | 0.1       | <5              | 0.1       |
| 11N 02+25W         | 203       | 0.1              | 1         | 30        | 0.1       | 50              | 0.2       |
| 11N 02+50W         | 203       | 0.3              | 1         | 40        | 0.1       | <5              | 0.2       |
| 11N 03+00W         | 203       | 0.4              | 1         | 30        | 0.1       | <5              | 0.4       |

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## CERTIFICATE OF ANALYSIS

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TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515294-003-A  
INVOICE # : 18515294  
DATE : 1-OCT-85  
P.O. # : NONE  
Y10

ATTN: J. NELSON, J. MACKAY & S. GOERTY

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA | Ag<br>ppm |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|-----------|
| 11N 03+25W         | 203       | 0.6              | 7         | 50        | 0.2       | <5              | 0.5       |
| 11N 03+50W         | 203       | 0.5              | 1         | 50        | 0.1       | <5              | 0.4       |
| 11N 03+75W         | 203       | 0.3              | 3         | 40        | 0.1       | <5              | 0.3       |
| 11N 04+00W         | 203       | 0.2              | 1         | 50        | 0.1       | <5              | 0.1       |
| 11N 04+25W         | 203       | 0.2              | 1         | 40        | 0.1       | <5              | 0.2       |
| 11N 04+50W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | 0.2       |
| 11N 04+75W         | 203       | 0.3              | 1         | 40        | 0.1       | 10              | 0.1       |
| 11N 05+00W         | 203       | 0.2              | 1         | 30        | 0.1       | 5               | 0.2       |
| 11N 05+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | 0.1       |
| 11N 05+50W         | 203       | 0.2              | 2         | 30        | 0.1       | <5              | 0.3       |
| 11N 05+75W         | 203       | 0.2              | 1         | 30        | 0.1       | <5              | 0.1       |
| 11N 06+00W         | 203       | 0.2              | 1         | 30        | 0.1       | <5              | 0.1       |
| 11N 06+25W         | 203       | 0.3              | 1         | 40        | 0.1       | 210             | 0.3       |
| 11N 06+50W         | 203       | 0.2              | 1         | 40        | 0.1       | 10              | 0.1       |
| 11N 06+75W         | 203       | 0.7              | 1         | 30        | 0.1       | <5              | 0.6       |
| 11N 07+00W         | 203       | 0.1              | 1         | 50        | 0.1       | <5              | 0.1       |
| 11N 07+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | 0.1       |
| 11N 07+50W         | 203       | 0.1              | 1         | 30        | 0.1       | 110             | 0.1       |
| 11N 07+75W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | 0.1       |
| 11N 08+00W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | 0.1       |
| 11N 08+25W         | 203       | 0.2              | 1         | 30        | 0.1       | <5              | --        |
| 11N 08+50W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 11N 08+75W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 11N 09+00W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | --        |
| 11N 09+25W         | 203       | 0.1              | 2         | 40        | 0.1       | <5              | --        |
| 11N 09+50W         | 203       | 0.1              | 2         | 30        | 0.1       | 10              | --        |
| 11N 09+75W         | 203       | 0.2              | 2         | 30        | 0.1       | <5              | --        |
| 11N 10+00W         | 203       | 0.1              | 1         | 30        | 0.1       | 5               | --        |
| 12N 00+75W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 01+00W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 12N 01+25W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 01+50W         | 203       | 0.1              | 3         | 30        | 0.1       | 5               | --        |
| 12N 02+25W         | 203       | 0.5              | 1         | 30        | 0.1       | 10              | --        |
| 12N 03+00W         | 203       | 0.1              | 3         | 40        | 0.1       | 5               | --        |
| 12N 03+25W         | 203       | 1.0              | 2         | 50        | 0.1       | 35              | --        |
| 12N 03+50W         | 203       | 0.7              | 4         | 30        | 0.1       | 25              | --        |
| 12N 04+25W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 04+50W         | 203       | 0.1              | 3         | 30        | 0.1       | 5               | --        |
| 12N 04+75W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 05+00W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |

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

## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515294-004-A  
INVOICE # : 18515294  
DATE : 1-OCT-85  
P.O. # : NONE  
Y10

ATTN: J. NELSON, J. MACKAY & S. GOERTY

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA | Ag<br>ppm |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|-----------|
| 12N 05+50W         | 203       | 0.1              | 1         | 50        | 0.1       | <5              | --        |
| 12N 06+00W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | --        |
| 12N 06+25W         | 203       | 0.1              | 2         | 40        | 0.1       | <5              | --        |
| 12N 06+50W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 12N 06+75W         | 203       | 0.1              | 1         | 20        | 0.1       | 30              | --        |
| 12N 07+00W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 12N 07+25W         | 203       | 0.1              | 1         | 20        | 0.1       | 5               | --        |
| 12N 07+50W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 12N 07+75W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 12N 08+00W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 12N 08+25W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 12N 08+50W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 08+75W         | 203       | 0.1              | 2         | 30        | 0.1       | 15              | --        |
| 12N 09+00W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 09+25W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 09+50W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 12N 09+75W         | 203       | 0.1              | 7         | 30        | 0.1       | <5              | --        |
| 12N 10+00W         | 203       | 0.1              | 5         | 30        | 0.1       | <5              | --        |
| 13N 00+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 13N 00+50W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 13N 00+75W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 13N 01+00W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 13N 06+50W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 13N 07+25W         | 203       | 0.1              | 3         | 30        | 0.1       | <5              | --        |
| 13N 07+50W         | 203       | 0.1              | 7         | 30        | 0.1       | <5              | --        |
| 13N 07+75W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 13N 08+00W         | 203       | 0.1              | 2         | 30        | 0.2       | <5              | --        |
| 13N 08+25W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | --        |
| 13N 08+50W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 13N 08+75W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 13N 09+00W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 13N 09+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 13N 09+50W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 13N 09+75W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | --        |
| 13N 10+00W         | 203       | 0.1              | 1         | 20        | 0.1       | <5              | --        |
| 14N 00+25W         | 203       | 0.1              | 2         | 30        | 0.1       | <5              | --        |
| 14N 00+50W         | 203       | 0.1              | 1         | 40        | 0.1       | <5              | --        |
| 14N 00+75W         | 203       | 0.1              | 1         | 30        | 0.1       | 10              | --        |
| 14N 05+25W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |
| 14N 05+50W         | 203       | 0.1              | 1         | 30        | 0.1       | <5              | --        |

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703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A2515294-005-A  
INVOICE # : I8515294  
DATE : 1-OCT-85  
P.O. # : NONE  
Y10

ATTN: J. NELSON, J. MACKAY & S. GOERTY

| Sample description | Prep code | Ag ppm Aqua R | AS ppm | Hg ppb | Sb ppm | AU ppb FA+AA | Ag ppm |
|--------------------|-----------|---------------|--------|--------|--------|--------------|--------|
| 14N 05+75W         | 203       | 0.2           | 2      | 30     | 0.2    | 25           | --     |
| 14N 06+00W         | 203       | 0.1           | 1      | 40     | 0.1    | 15           | --     |
| 14N 06+25W         | 203       | 0.1           | 2      | 20     | 0.2    | 5            | --     |
| 14N 06+50W         | 203       | 0.1           | 1      | 30     | 0.1    | <5           | --     |
| 14N 06+75W         | 203       | 0.2           | 1      | 20     | 0.1    | <5           | --     |
| 14N 07+00W         | 203       | 0.1           | 2      | 20     | 0.3    | 5            | --     |
| 14N 07+25W         | 203       | 0.1           | 1      | 30     | 0.2    | 20           | --     |
| 14N 07+50W         | 203       | 0.1           | 1      | 20     | 0.2    | <5           | --     |
| 14N 07+75W         | 203       | 0.1           | 1      | 20     | 0.2    | <5           | --     |
| 14N 08+00W         | 203       | 0.1           | 1      | 20     | 0.1    | <5           | --     |
| 14N 08+25W         | 203       | 0.1           | 1      | 60     | 0.2    | 10           | --     |
| 14N 08+50W         | 203       | 0.1           | 1      | 40     | 0.1    | 5            | --     |
| 14N 08+75W         | 203       | 0.1           | 1      | 30     | 0.1    | <5           | --     |
| 14N 09+00W         | 203       | 0.1           | 1      | 60     | 0.1    | <5           | --     |
| 14N 09+25W         | 203       | 0.1           | 1      | 30     | 0.1    | 10           | --     |
| 14N 09+50W         | 203       | 0.1           | 1      | 20     | 0.2    | 10           | --     |
| 14N 09+75W         | 203       | 0.1           | 1      | 20     | 0.2    | 5            | --     |
| 14N 10+00W         | 203       | 0.1           | 1      | 30     | 0.1    | <5           | --     |

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V6E 2S1

CERT. # : A8515479-001-A  
INVOICE # : I8515479  
DATE : 28-AUG-85  
P.O. # : NONE  
Y-10

ATTN: J. NELSON, J. MACKAY & S. GOERTZ

| Sample description | Prep code | Ag ppm Aqua R | AS ppm | Hg ppb | Sb ppm | Au ppb FA+AA |    |
|--------------------|-----------|---------------|--------|--------|--------|--------------|----|
| 26N 00+25E         | 203       | 0.6           | 3      | 60     | 0.2    | <5           | -- |
| 26N 00+50E         | 203       | 0.6           | 4      | 50     | 0.2    | <5           | -- |
| 26N 00+75E         | 203       | 0.6           | 2      | 50     | 0.1    | <5           | -- |
| 26N 01+00E         | 203       | 0.2           | 4      | 40     | 0.1    | <5           | -- |
| 26N 01+25E         | 203       | 0.6           | 3      | 40     | 0.1    | <5           | -- |
| 26N 01+75E         | 203       | 0.6           | 2      | 40     | 0.1    | <5           | -- |
| 26N 02+25E         | 203       | 0.6           | 1      | 40     | 0.2    | <5           | -- |
| 26N 02+50E         | 203       | 0.5           | 1      | 40     | 0.1    | <5           | -- |
| 26N 02+75E         | 203       | 0.2           | 3      | 40     | 0.1    | <5           | -- |
| 26N 03+25E         | 203       | 0.1           | 6      | 40     | 0.4    | <5           | -- |
| 26N 03+75E         | 203       | 0.1           | 10     | 70     | 0.2    | <5           | -- |
| 26N 04+00E         | 203       | 0.2           | 3      | 60     | 0.2    | <5           | -- |
| 26N 04+25E         | 203       | 0.2           | 5      | 50     | 0.4    | <5           | -- |
| 26N 04+50E         | 203       | 0.1           | 1      | 70     | 0.1    | <5           | -- |
| 26N 04+75E         | 203       | 0.1           | 9      | 40     | 0.2    | 5            | -- |
| 26N 05+00E         | 203       | 0.1           | 5      | 40     | 0.1    | <5           | -- |
| 27N 00+75E         | 203       | 0.6           | 3      | 60     | 0.4    | <5           | -- |
| 27N 01+00E         | 203       | 1.2           | 7      | 60     | 0.7    | <5           | -- |
| 27N 01+25E         | 203       | 1.6           | 5      | 80     | 0.6    | <5           | -- |
| 27N 01+50E         | 203       | 2.0           | 6      | 50     | 0.8    | 5            | -- |
| 27N 02+25E         | 203       | 0.7           | 4      | 40     | 0.6    | <5           | -- |
| 27N 02+50E         | 203       | 0.6           | 17     | 40     | 1.2    | <5           | -- |
| 27N 03+00E         | 203       | 0.3           | 7      | 50     | 0.6    | 80           | -- |
| 27N 03+25E         | 203       | 0.3           | 4      | 50     | 0.3    | <5           | -- |
| 27N 03+50E         | 203       | 0.3           | 3      | 70     | 0.3    | 10           | -- |
| 27N 03+75E         | 203       | 0.2           | 6      | 60     | 0.2    | 10           | -- |
| 27N 04+00E         | 203       | 0.1           | 4      | 60     | 0.1    | 5            | -- |
| 27N 04+25E         | 203       | 0.2           | 6      | 50     | 0.5    | <5           | -- |
| 27N 04+50E         | 203       | 0.2           | 2      | 40     | 0.6    | <5           | -- |
| 27N 04+75E         | 203       | 0.2           | 3      | 40     | 0.6    | <5           | -- |
| 27N 05+00E         | 203       | 0.1           | 2      | 40     | 0.7    | <5           | -- |
| 28N 00+25E         | 203       | 0.1           | 1      | 40     | 0.5    | <5           | -- |
| 28N 00+50E         | 203       | 0.5           | 2      | 50     | 0.5    | 5            | -- |
| 28N 00+75E         | 203       | 0.2           | 1      | 50     | 0.4    | 10           | -- |
| 28N 01+00E         | 203       | 0.2           | 2      | 50     | 0.4    | <5           | -- |
| 28N 01+25E         | 203       | 0.1           | 2      | 50     | 0.6    | 2250         | -- |
| 28N 01+50E         | 203       | 0.1           | 2      | 50     | 0.4    | <5           | -- |
| 28N 01+75E         | 203       | 0.1           | 1      | 50     | 0.4    | 10           | -- |
| 28N 02+00E         | 203       | 0.1           | 4      | 40     | 0.6    | <5           | -- |
| 28N 02+25E         | 203       | 0.1           | 3      | 60     | 0.5    | <5           | -- |

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## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515479-002-A  
INVOICE # : 18515479  
DATE : 28-AUG-85  
P.O. # : NONE  
Y-10

ATTN: J. NELSON, J. MACKAY & S. GOERTZ

| Sample description | Prep code | Ag ppm Aqua R | AS ppm | Hg ppb | Sb ppm | Au ppb FA+AA |    |
|--------------------|-----------|---------------|--------|--------|--------|--------------|----|
| 28N 02+75E         | 203       | 0.2           | 3      | 50     | 0.7    | <5           | -- |
| 28N 03+00E         | 203       | 0.1           | 1      | 60     | 0.4    | 15           | -- |
| 28N 03+25E         | 203       | 0.1           | 1      | 50     | 0.4    | 5            | -- |
| 28N 03+50E         | 203       | 0.6           | 1      | 50     | 0.3    | <5           | -- |
| 28N 03+75E         | 203       | 0.1           | 1      | 60     | 0.1    | <5           | -- |
| 28N 04+25E         | 203       | 0.1           | 3      | 50     | 0.2    | <5           | -- |
| 28N 04+50E         | 203       | 0.1           | 3      | 40     | 0.3    | 5            | -- |
| 28N 04+75E         | 203       | 0.1           | 1      | 40     | 0.2    | 15           | -- |
| 28N 05+00E         | 203       | 0.1           | 1      | 40     | 0.3    | <5           | -- |
| 29N 00+25E         | 203       | 0.1           | 2      | 50     | 0.3    | <5           | -- |
| 29N 00+50E         | 203       | 0.1           | 2      | 40     | 0.4    | <5           | -- |
| 29N 00+75E         | 203       | 0.2           | 3      | 60     | 0.4    | <5           | -- |
| 29N 01+00E         | 203       | 0.2           | 1      | 60     | 0.3    | 5            | -- |
| 29N 01+25E         | 203       | 0.1           | 2      | 70     | 0.2    | <5           | -- |
| 29N 01+50E         | 203       | 0.1           | 2      | 40     | 0.4    | <5           | -- |
| 29N 01+75E         | 203       | 0.1           | 5      | 60     | 0.4    | <5           | -- |
| 29N 02+00E         | 203       | 0.1           | 2      | 40     | 0.4    | <5           | -- |
| 29N 02+25E         | 203       | 0.1           | 1      | 40     | 0.2    | <5           | -- |
| 29N 02+75E         | 203       | 0.4           | 1      | 40     | 0.2    | <5           | -- |
| 29N 03+00E         | 203       | 0.2           | 1      | 50     | 0.2    | <5           | -- |
| 29N 03+25E         | 203       | 0.5           | 1      | 40     | 0.1    | <5           | -- |
| 29N 03+50E         | 203       | 0.1           | 1      | 40     | 0.1    | <5           | -- |
| 29N 03+75E         | 203       | 0.1           | 1      | 40     | 0.1    | <5           | -- |
| 29N 04+00E         | 203       | 0.1           | 1      | 50     | 0.1    | <5           | -- |
| 29N 04+50E         | 203       | 0.1           | 3      | 70     | 0.2    | <5           | -- |
| 29N 04+75E         | 203       | 0.1           | 4      | 40     | 0.4    | <5           | -- |
| 29N 05+00E         | 203       | 0.1           | 1      | 40     | 0.2    | <5           | -- |
| 30N 00+50E         | 203       | 0.1           | 2      | 40     | 0.3    | 10           | -- |
| 30N 00+75E         | 203       | 0.1           | 4      | 50     | 0.4    | <5           | -- |
| 30N 01+00E         | 203       | 0.1           | 1      | 60     | 0.2    | <5           | -- |
| 30N 01+25E         | 203       | 0.1           | 14     | 70     | 0.4    | <5           | -- |
| 30N 01+50E         | 203       | 0.1           | 6      | 60     | 0.2    | <5           | -- |
| 30N 01+75E         | 203       | 0.5           | 2      | 80     | 0.5    | <5           | -- |
| 30N 02+00E         | 203       | 0.1           | 2      | 40     | 0.6    | <5           | -- |
| 30N 02+25E         | 203       | 0.1           | 2      | 30     | 0.4    | <5           | -- |
| 30N 02+50E         | 203       | 0.1           | 4      | 40     | 0.2    | <5           | -- |
| 30N 03+25E         | 203       | 0.1           | 1      | 30     | 0.1    | <5           | -- |
| 30N 03+50E         | 203       | 0.1           | 1      | 40     | 0.3    | <5           | -- |
| 30N 03+75E         | 203       | 0.1           | 2      | 30     | 0.4    | <5           | -- |
| 30N 04+50E         | 203       | 0.1           | 2      | 50     | 0.2    | <5           | -- |

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TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8515479-003-A  
INVOICE # : 18515479  
DATE : 28-AUG-85  
P.O. # : NONE  
Y-10

ATTN: J. NELSON, J. MACKAY & S. GDERTZ

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| 30N 04+75E         | 203       | 0.2              | 4         | 90        | 0.4       | <5              | -- |
| 30N 05+00E         | 203       | 0.2              | 2         | 40        | 0.4       | 5               | -- |
| 31N 00+25E         | 203       | 0.1              | 3         | 50        | 0.2       | <5              | -- |
| 31N 00+50E         | 203       | 0.1              | 4         | 70        | 0.3       | <5              | -- |
| 31N 00+75E         | 203       | 0.2              | 2         | 50        | 0.3       | 5               | -- |
| 31N 01+00E         | 203       | 0.3              | 5         | 60        | 0.2       | <5              | -- |
| 31N 01+25E         | 203       | 0.1              | 5         | 100       | 0.3       | 5               | -- |
| 31N 01+50E         | 203       | 0.1              | 11        | 40        | 0.5       | <5              | -- |
| 31N 01+75E         | 203       | 0.1              | 14        | 80        | 0.4       | <5              | -- |
| 31N 02+00E         | 203       | 0.1              | 9         | 50        | 0.6       | <5              | -- |
| 31N 02+25E         | 203       | 0.2              | 3         | 70        | 0.4       | 10              | -- |
| 31N 02+50E         | 203       | 0.1              | 3         | 60        | 0.2       | 5               | -- |
| 31N 02+75E         | 203       | 0.1              | 2         | 60        | 0.1       | <5              | -- |
| 31N 03+00E         | 203       | 0.1              | 3         | 50        | 0.2       | <5              | -- |
| 31N 03+25E         | 203       | 0.3              | 5         | 30        | 0.6       | <5              | -- |
| 31N 03+50E         | 203       | 0.2              | 1         | 40        | 0.2       | <5              | -- |
| 31N 04+00E         | 203       | 0.2              | 4         | 30        | 0.2       | <5              | -- |



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 Tel: (604) 934-0221  
 Telex: 042-52597  
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 SEP 17 1985  
 KERR ADDISON MINES LTD.

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CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
 (ATTN: RAY DUJARDIN)  
 703 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1

CERT. # : AB516114-001-A  
 INVOICE # : 18516114  
 DATE : 17-SEP-85  
 P.O. # : NONE  
 Y-10

ATTN: J. NELSON

| Sample description | Prep code | Ag ppm<br>Aqua R | AS<br>ppm | Hg<br>ppb | Sb<br>ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|-----------|-----------|-----------|-----------------|----|
| YS5M04R            | 205       | 0.3              | 3         | 70        | 0.2       | 490             | -- |
| YS5M05R            | 205       | 0.2              | 2         | 50        | 0.1       | <5              | -- |
| YS5M06R            | 205       | 0.1              | 3         | 50        | 0.2       | <5              | -- |
| YS5M07R            | 205       | 0.4              | 1         | 70        | 0.2       | <5              | -- |
| YS5M08R            | 205       | 0.2              | 7         | 30        | 0.1       | <5              | -- |
| YS5M09R            | 205       | 0.1              | 1         | 30        | 0.2       | <5              | -- |
| YS5M10R, YS5M11R   | 205       | 0.1              | 2         | 30        | 0.1       | 10              | -- |
| YS5M12R            | 205       | 0.1              | 1         | 30        | 0.2       | 105             | -- |
| YS5M13R            | 205       | 0.1              | 1         | 30        | 0.2       | 10              | -- |
| YS5M14R            | 205       | 0.1              | 2         | 30        | 0.2       | <5              | -- |
| YS5M15R            | 205       | 0.1              | 2         | 30        | 0.1       | <5              | -- |
| YS5M16R            | 205       | 0.2              | 6         | 30        | 0.3       | <5              | -- |
| YS5M19R            | 205       | 0.1              | 1         | 30        | 0.2       | 5               | -- |
| YS5S08R            | 205       | 0.3              | 2         | 30        | 0.2       | 40              | -- |
| YS5S09R            | 205       | 0.1              | 2         | 30        | 0.2       | 5               | -- |
| YT5N11R            | 205       | 0.6              | 5         | 40        | 0.3       | 10              | -- |
| YT5N12R            | 205       | 0.4              | 4         | 40        | 0.5       | 5               | -- |
| YT5N13R            | 205       | 1.2              | 15        | 30        | 0.6       | <5              | -- |
| YT5N14R            | 205       | 1.3              | 10        | 30        | 0.4       | 5               | -- |
| YT5N15R            | 205       | 1.3              | 6         | 50        | 0.6       | 30              | -- |
| YT5N16R            | 205       | 1.9              | 15        | 50        | 1.2       | 50              | -- |
| YT5N17R            | 205       | 1.2              | 10        | 30        | 0.4       | 750             | -- |
| YT5N18R            | 205       | 3.9              | 35        | 40        | 1.0       | 55              | -- |
| YT5N19R            | 205       | 1.2              | 7         | 40        | 0.4       | 6450            | -- |
| YT5N20R            | 205       | 7.5              | 10        | 70        | 5.6       | 55              | -- |
| YT5N21R            | 205       | 0.9              | 3         | 30        | 0.1       | 25              | -- |
| YT5N22R            | 205       | 0.3              | 3         | 30        | 0.1       | 15              | -- |
| YT5N23R            | 205       | 0.2              | 3         | 30        | 0.1       | 15              | -- |
| YT5N24R            | 205       | 0.3              | 3         | 20        | 0.1       | 10              | -- |
| YT5N25R            | 205       | 0.2              | 9         | 30        | 0.2       | 10              | -- |
| YT5N26R            | 205       | 0.1              | 7         | 40        | 0.2       | 5               | -- |
| YT5N27R            | 205       | 0.5              | 3         | 30        | 0.1       | 5               | -- |
| YT5X01R            | 205       | 1.3              | 9         | 40        | 2.6       | <5              | -- |
| YT5X02R            | 205       | 0.2              | 3         | 30        | 0.1       | <5              | -- |
| YT5X03R            | 205       | 0.2              | 5         | 40        | 1.0       | 35              | -- |
| YT5X04R            | 205       | 0.1              | 2         | 30        | 0.2       | <5              | -- |



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North Vancouver, B.C.  
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Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

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SEP 23 1985  
KERR ADDISON MINES LTD.

CERT. # : A8516514-001-A  
INVOICE # : 18516514  
DATE : 24-SEP-85  
P.O. # : NONE  
Y-10

| Sample description | Prep code | Ag ppm Aqua R | As <sup>+</sup> ppm FA+AA |    |    |    |    |
|--------------------|-----------|---------------|---------------------------|----|----|----|----|
| YS5M04R ✓          | 205       | 1.0           | 540                       | -- | -- | -- | -- |
| YS5M17R ✓          | 205       | 0.1           | <5                        | -- | -- | -- | -- |
| YS5M18R ✓          | 205       | 0.7           | <5                        | -- | -- | -- | -- |
| YS5M20R ✓          | 205       | 0.1           | <5                        | -- | -- | -- | -- |
| YS5N02R ✓          | 205       | 0.3           | <5                        | -- | -- | -- | -- |
| YS5N06R ✓          | 205       | 1.3           | 290                       | -- | -- | -- | -- |
| YS5N07R ✓          | 205       | 0.1           | <5                        | -- | -- | -- | -- |
| YS5N09R ✓          | 205       | 0.4           | 85                        | -- | -- | -- | -- |
| YS5N10R ✓          | 205       | 0.1           | 100                       | -- | -- | -- | -- |
| YS5N11R ✓          | 205       | 0.6           | <5                        | -- | -- | -- | -- |
| YSRN05R ✓          | 205       | 53.0          | 7900                      | -- | -- | -- | -- |
| YSRN08R ✓          | 205       | 0.7           | 25                        | -- | -- | -- | -- |
| YT5N28R            | 205       | 0.5           | <5                        | -- | -- | -- | -- |
| YT5N30R            | 205       | 0.8           | 355                       | -- | -- | -- | -- |

Certified by H. B. Bickel





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AUG 30 1985  
Telephone: (604) 984-0221  
Telex: 52597

## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

*Plot Au, Ag only*

CERT. # : A8515432-001-A  
INVOICE # : I8515432  
DATE : 29-AUG-85  
P.O. # : NONE  
YK-10

| Sample description | Prep code | Ag ppm<br>Agua R | AS ppm | Hg ppb | Sb ppm | Au ppb<br>FA+AA |    |
|--------------------|-----------|------------------|--------|--------|--------|-----------------|----|
| YS-5D01R           | 205       | 2.0              | 11     | 50     | 0.8    | 10              | -- |
| YS-5M01R           | 205       | 0.3              | 7      | 50     | 0.4    | <5              | -- |
| YS-5M03R           | 205       | 0.5              | 4      | 40     | 0.6    | <5              | -- |
| YS-5N01R           | 205       | 0.5              | 6      | 40     | 0.5    | <5              | -- |
| YS-5N03R           | 205       | 0.3              | 2      | 40     | 0.2    | <5              | -- |
| YS-5N04R           | 205       | 0.2              | 4      | 40     | 0.4    | <5              | -- |
| YS-5S01R           | 205       | 0.2              | 4      | 40     | 0.3    | <5              | -- |
| YS-5S02R           | 205       | 0.3              | 3      | 30     | 0.2    | 5               | -- |
| YS-5S03R           | 205       | 0.8              | 4      | 30     | 0.4    | 100             | -- |
| YS-5S04R           | 205       | 1.8              | 3      | 30     | 0.2    | 190             | -- |
| YS-5S05R           | 205       | 1.5              | 1      | 30     | 0.4    | <5              | -- |
| YS-5S06R           | 205       | 0.3              | 2      | 30     | 0.1    | 5               | -- |
| YS-5S07R           | 205       | 1.6              | 9      | 30     | 0.4    | 200             | -- |
| YT-5D01R           | 205       | 27.0             | 2      | 20     | 2.4    | <5              | -- |
| YT-5D02R           | 205       | 2.9              | 1      | 20     | 0.3    | 1700            | -- |
| YT-5D03R           | 205       | 1.3              | 2      | 20     | 7.6    | 15              | -- |
| YT-5D04R           | 205       | 0.9              | 1      | 20     | 0.6    | 90              | -- |
| YT-5D05R           | 205       | 0.1              | 1      | 20     | 0.2    | <5              | -- |
| YT-5D06R           | 205       | 0.1              | 2      | 20     | 0.5    | <5              | -- |
| YT-5D07R           | 205       | 5.2              | 4      | 20     | 1.6    | 210             | -- |
| YT-5D09R           | 205       | 0.1              | 5      | 20     | 0.8    | <5              | -- |
| YT-5N01R           | 205       | 3.6              | 10     | 20     | 2.6    | 140             | -- |
| YT-5N02R           | 205       | 2.5              | 14     | 40     | 2.2    | <5              | -- |
| YT-5N03R           | 205       | 0.5              | 5      | 20     | 0.6    | <5              | -- |
| YT-5N04R           | 205       | 0.6              | 2      | 30     | 0.2    | <5              | -- |
| YT-5N05R           | 205       | 0.8              | 0      | 20     | 1.2    | <5              | -- |
| YT-5N06R           | 205       | 1.2              | 9      | 30     | 0.4    | <5              | -- |
| YT-5N07R           | 205       | 1.0              | 0      | 20     | 0.6    | <5              | -- |
| YT-5N08R           | 205       | 1.2              | 6      | 30     | 0.8    | 25              | -- |
| YT-5N09R           | 205       | 2.7              | 9      | 20     | 0.5    | 60              | -- |
| YT-5N10R           | 205       | 2.6              | 4      | 30     | 0.4    | 110             | -- |
| YT-5X05R           | 205       | 0.4              | 33     | 20     | 0.8    | <5              | -- |
|                    | 205       | 0.4              | 1      | 20     | 0.4    | <5              | -- |



Certified by *Harold Richter*



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OCT 1985 (604) 984-0221  
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KERR ADDISON MINES LTD.

## CERTIFICATE OF ANALYSIS

TO : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
703 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

CERT. # : A8516756-001-A  
INVOICE # : 18516756  
DATE : 4-OCT-85  
P.O. # : NONE  
Y-10

| Sample description | Prep code | Ag ppm<br>Agua R | Au ppb<br>FA+AA |    |    |    |    |
|--------------------|-----------|------------------|-----------------|----|----|----|----|
| YT5N29R            | 205       | 7.8              | 190             | -- | -- | -- | -- |
| YT5S01R            | 205       | 0.7              | <5              | -- | -- | -- | -- |

VOI rev. 4/85

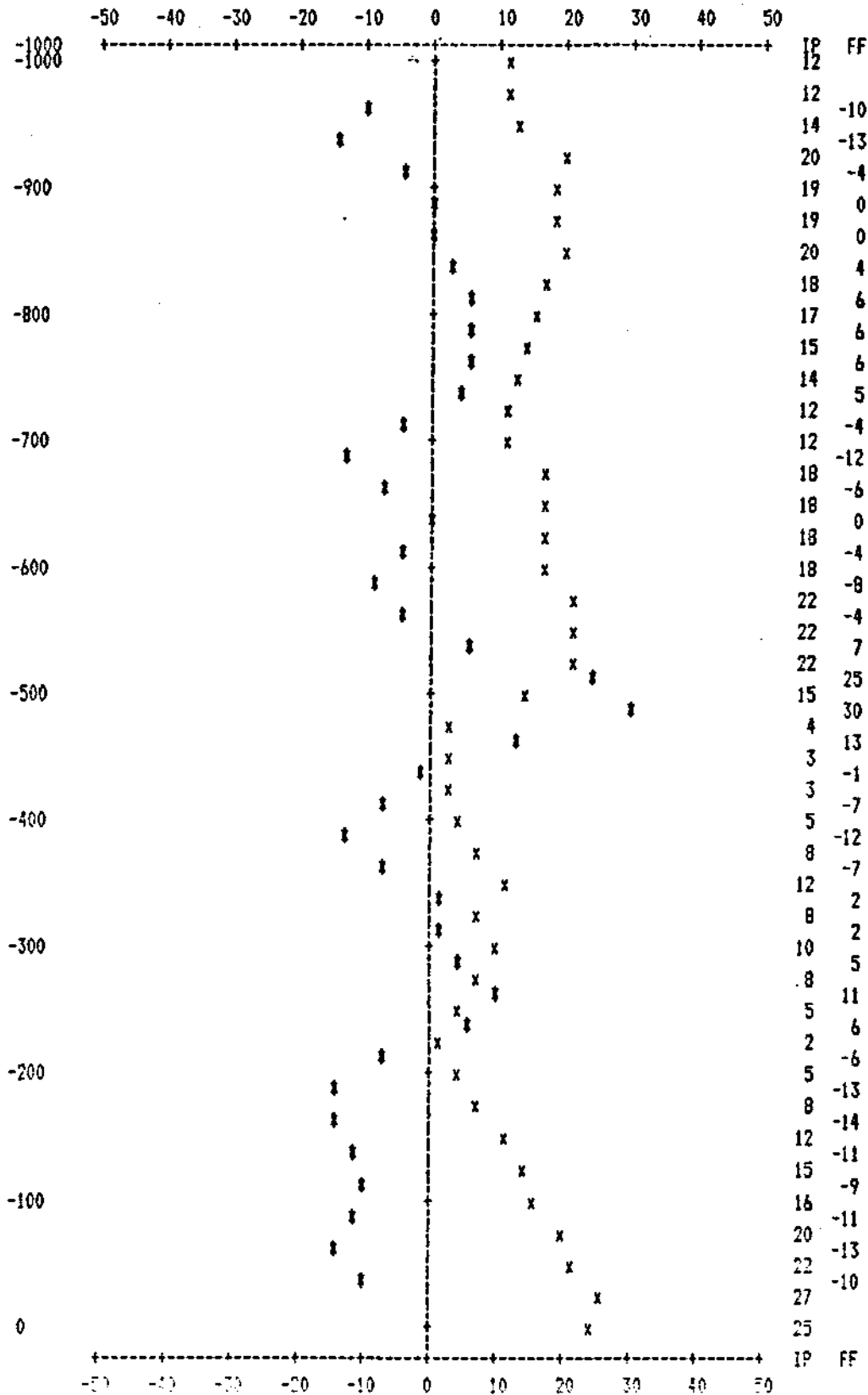
Certified by *W. St. Martin*

APPENDIX III

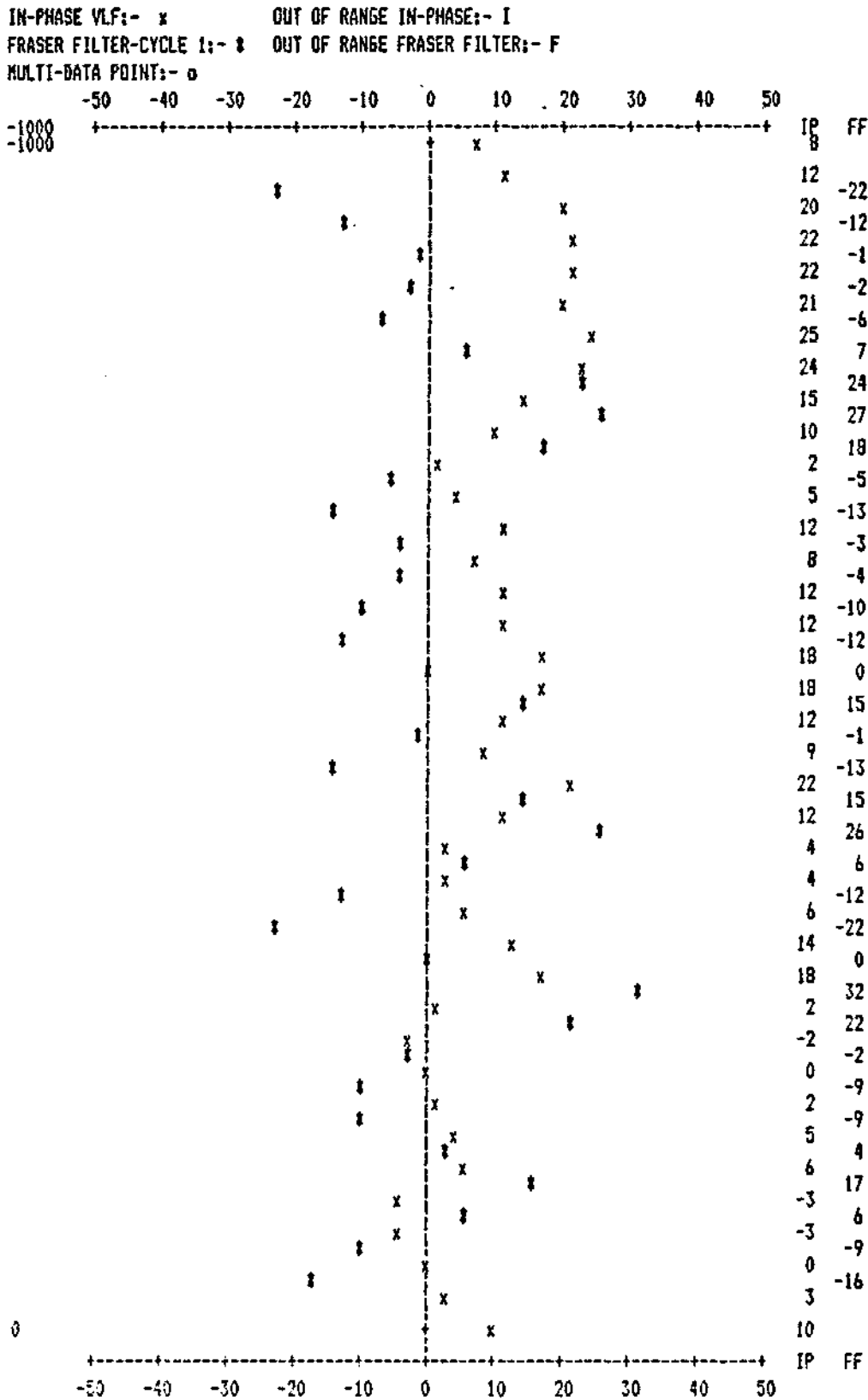
Tilt and Fraser Filter Data

Said Vlf by J Mackay  
500N  
DATE:-25-26/8/85

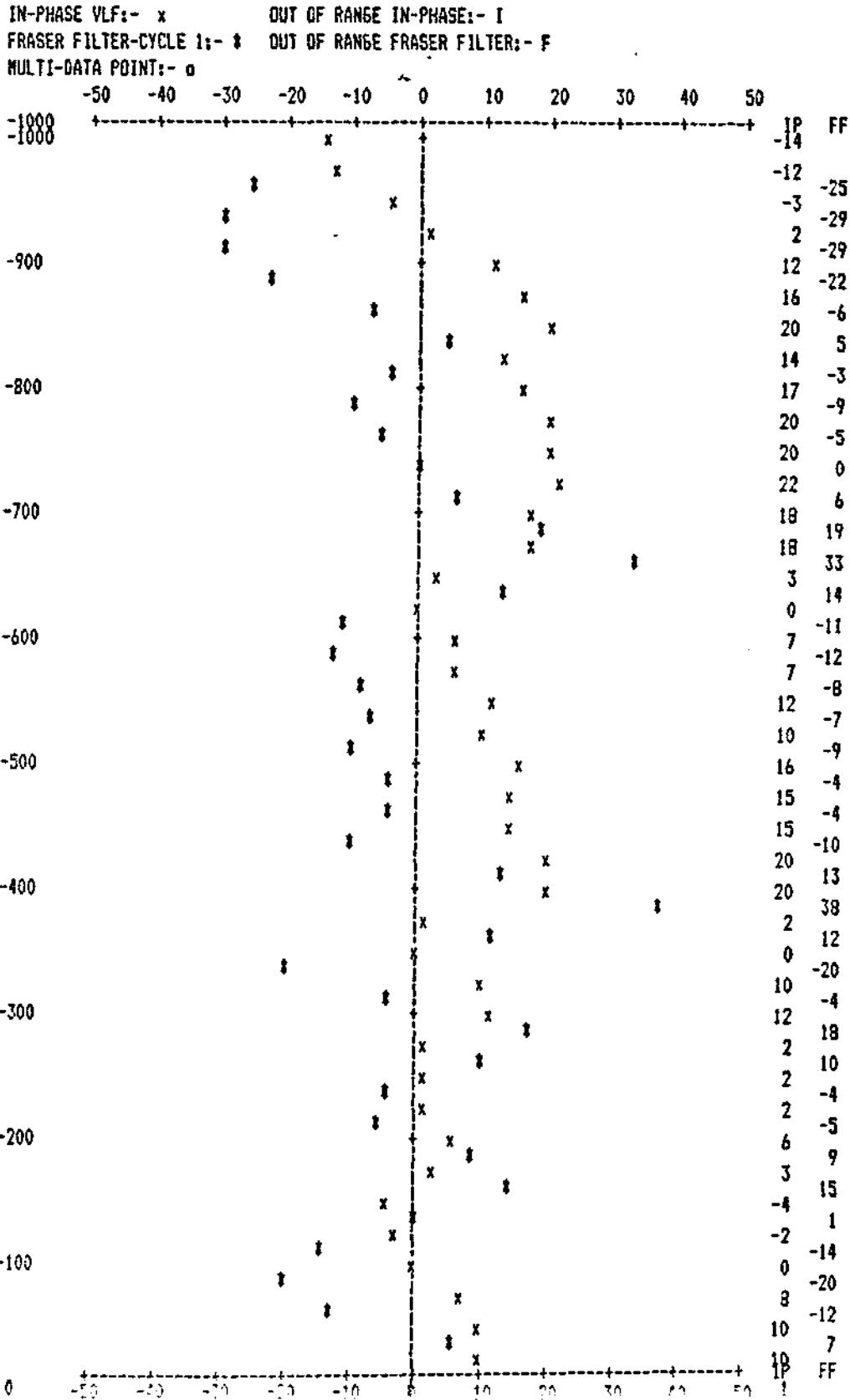
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FRASER FILTER-CYCLE 1:- \*      OUT OF RANGE FRASER FILTER:- F  
MULTI-DATA POINT:- o



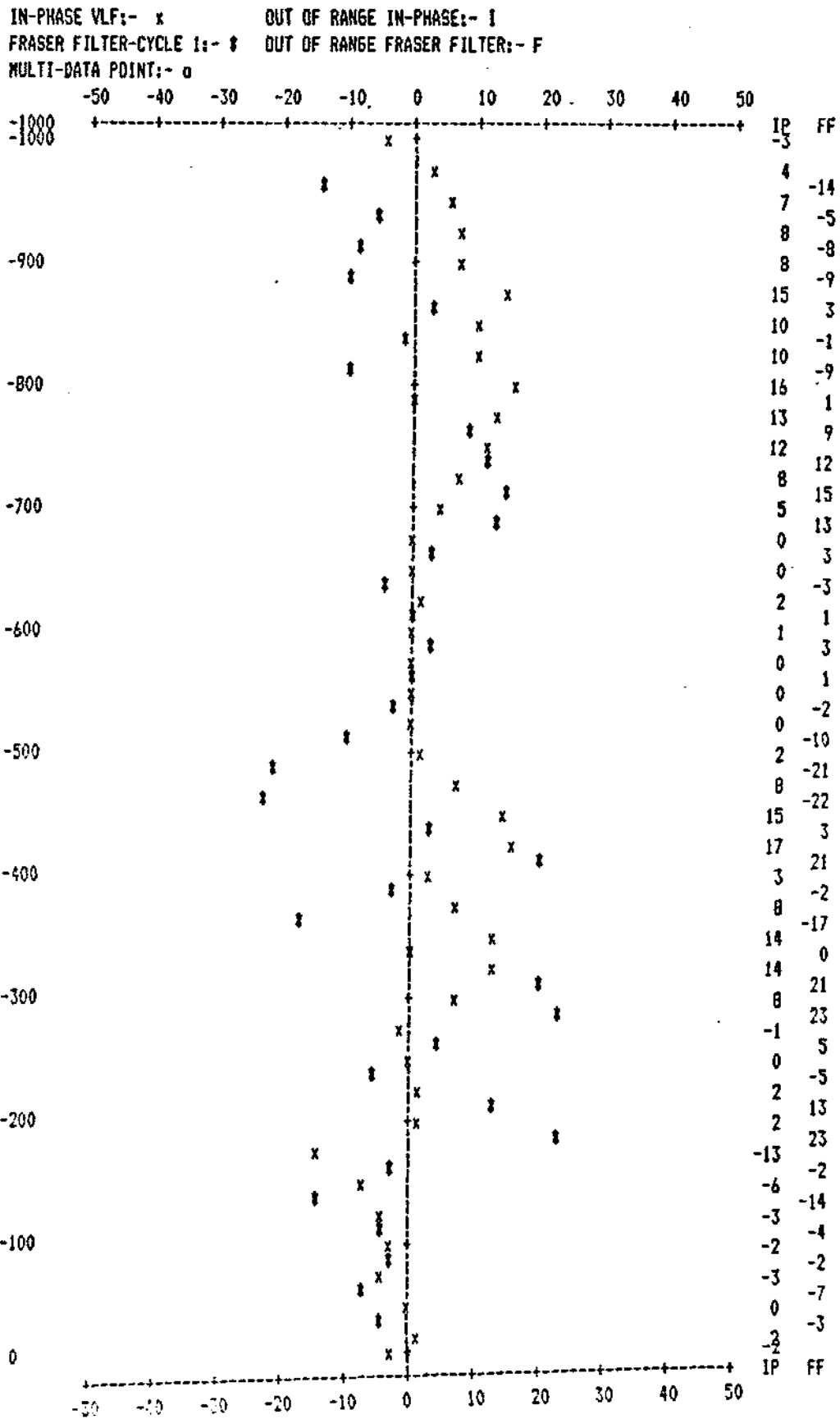
Said Vlf by J Mackay  
 600N  
 DATE:-25-26/8/85



Said Vlf by J Mackay  
 700N  
 DATE:-25-26/8/85

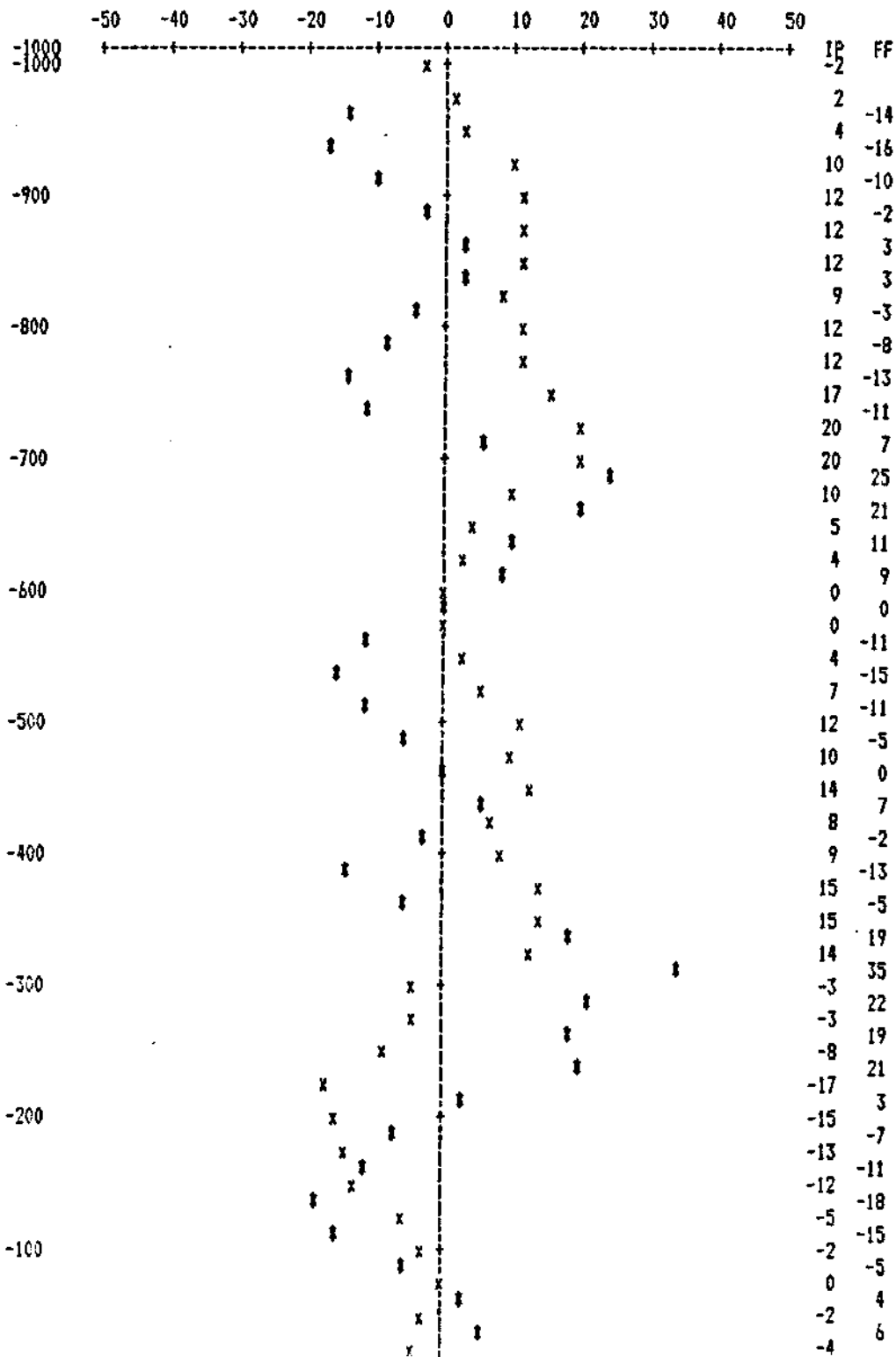


Said Vlf by J Mackay  
 B00N  
 DATE:-25-26/8/85



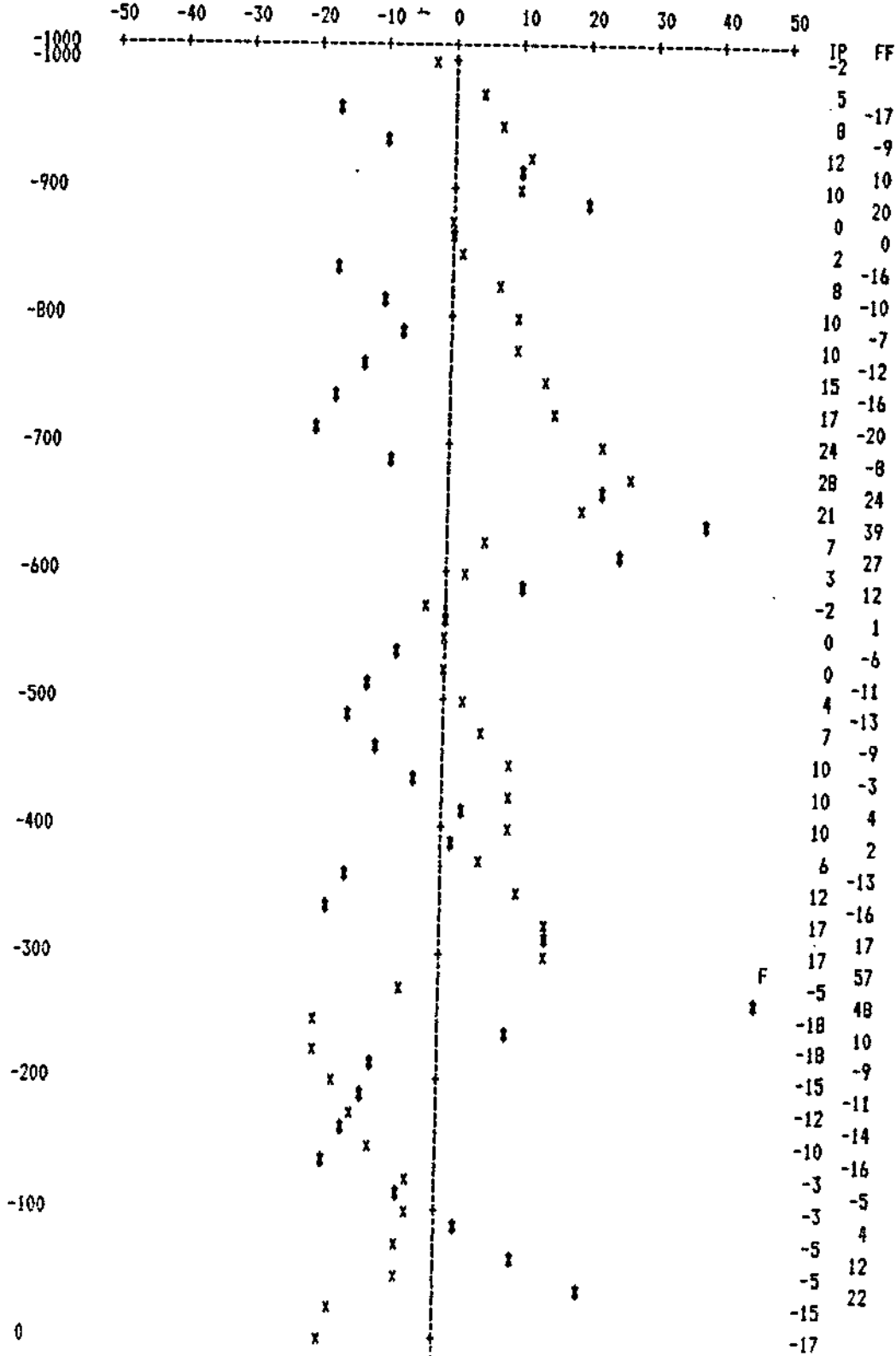
SAID VLF by J MACKAY  
 900M  
 DATE:-25-26/8/85

IN-PHASE VLF:- x      OUT OF RANGE IN-PHASE:- I  
 FRASER FILTER-CYCLE 1:- †      OUT OF RANGE FRASER FILTER:- F  
 MULTI-DATA POINT:- o



SAID VLF by J HACKAY  
 1000 N  
 DATE:-25-26/8/85

IN-PHASE VLF:- x      OUT OF RANGE IN-PHASE:- I  
 FRASER FILTER-CYCLE 1:- †      OUT OF RANGE FRASER FILTER:- F  
 MULTI-DATA POINT:- o



Said Vlf by J Mackay

1100N

DATE:-25-26/8/85

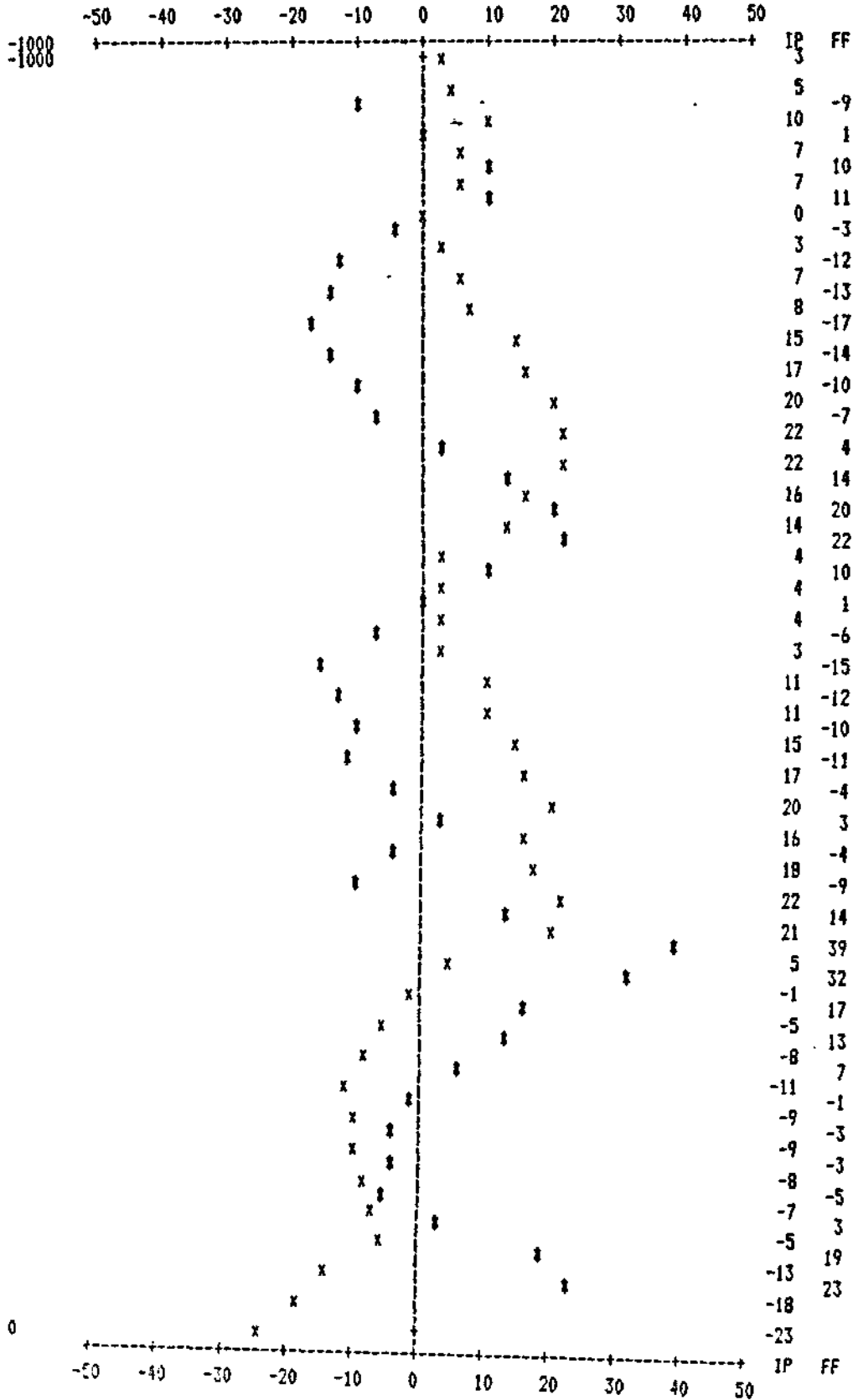
IN-PHASE VLF:- x

OUT OF RANGE IN-PHASE:- I

FRASER FILTER-CYCLE I:- †

OUT OF RANGE FRASER FILTER:- F

MULTI-DATA POINT:- o



SAID VLF by J.MACKAY; IN-PHASE AND FRASER FILTERED

12+00N

DATE:-DATA; 25-26/8/85 : PRINT; 3/11/85

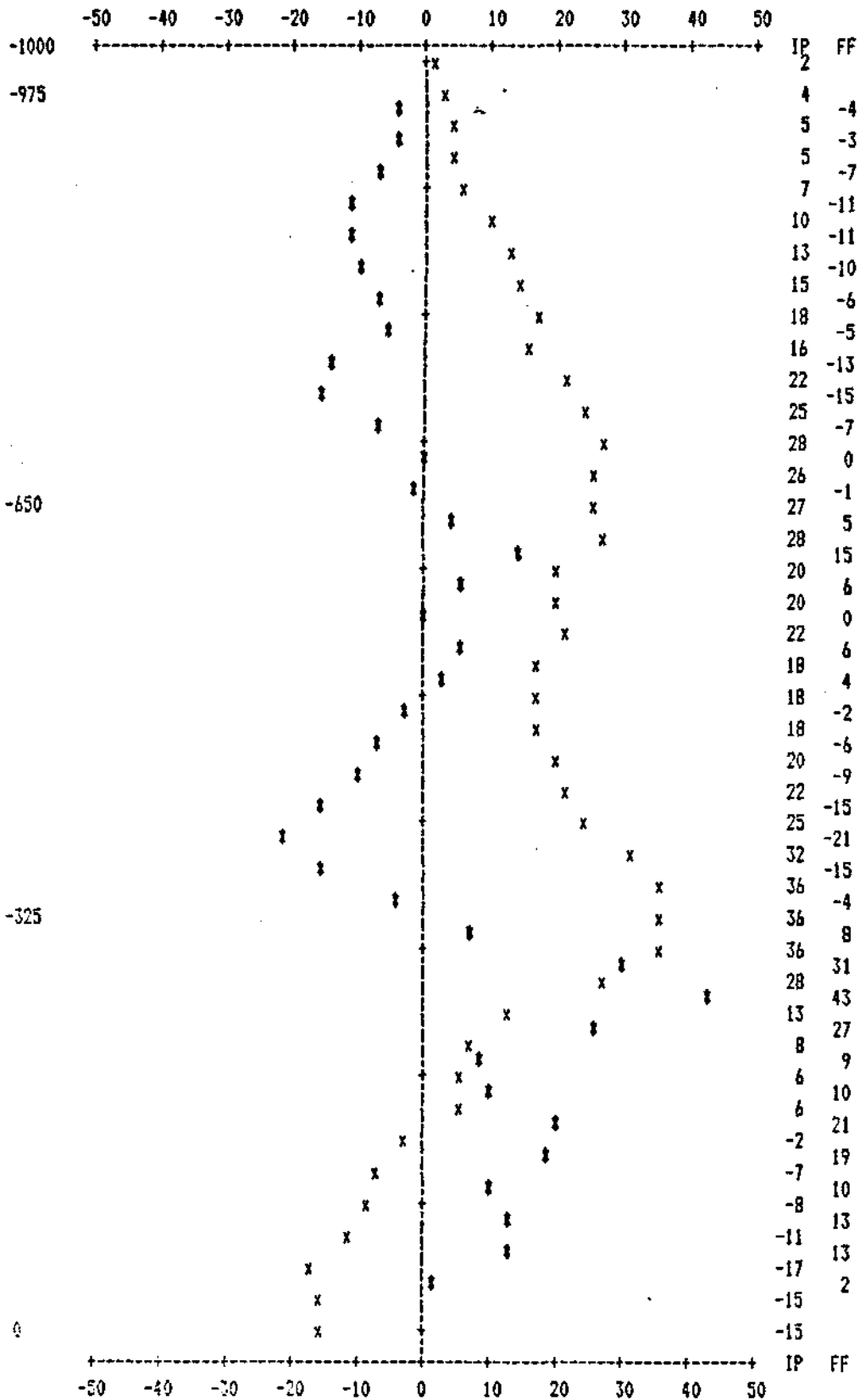
IN-PHASE VLF:- x

OUT OF RANGE IN-PHASE:- I

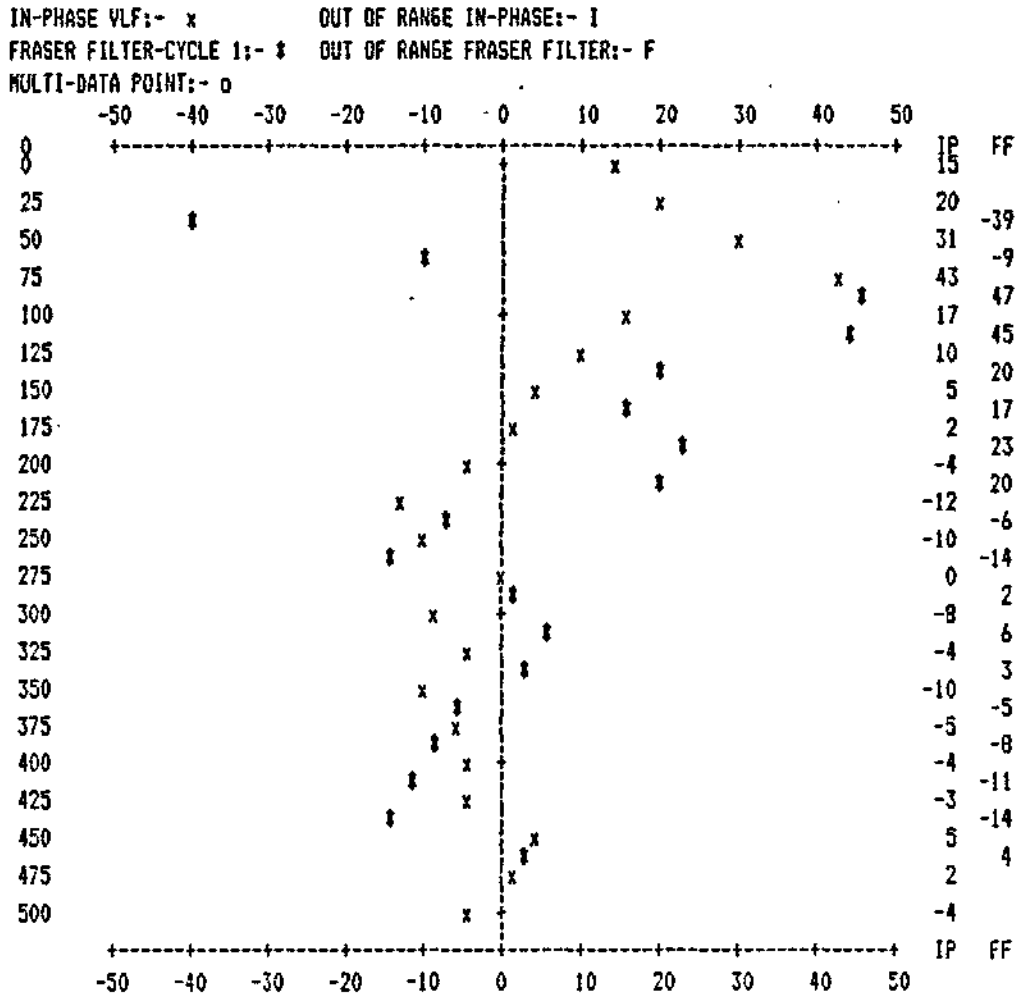
FRASER FILTER-CYCLE 1:- \*

OUT OF RANGE FRASER FILTER:- F

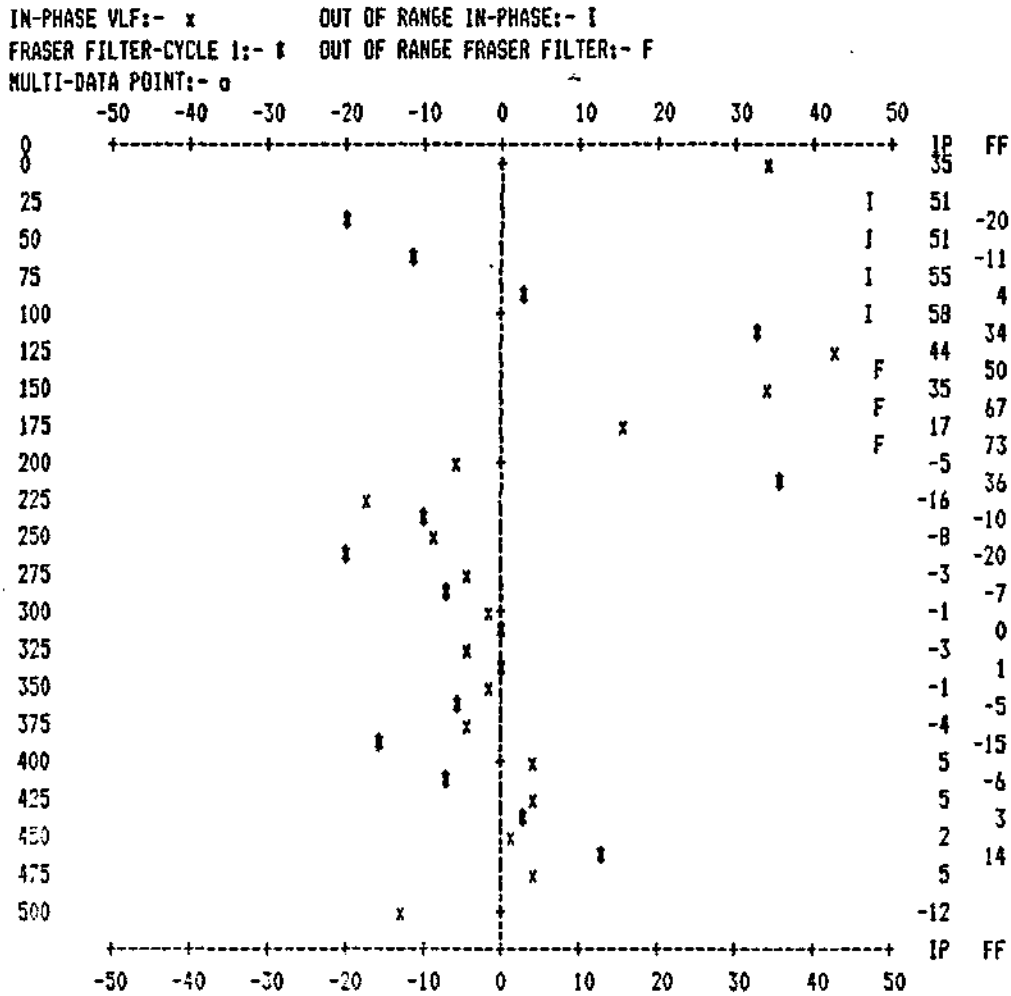
MULTI-DATA POINT:- o



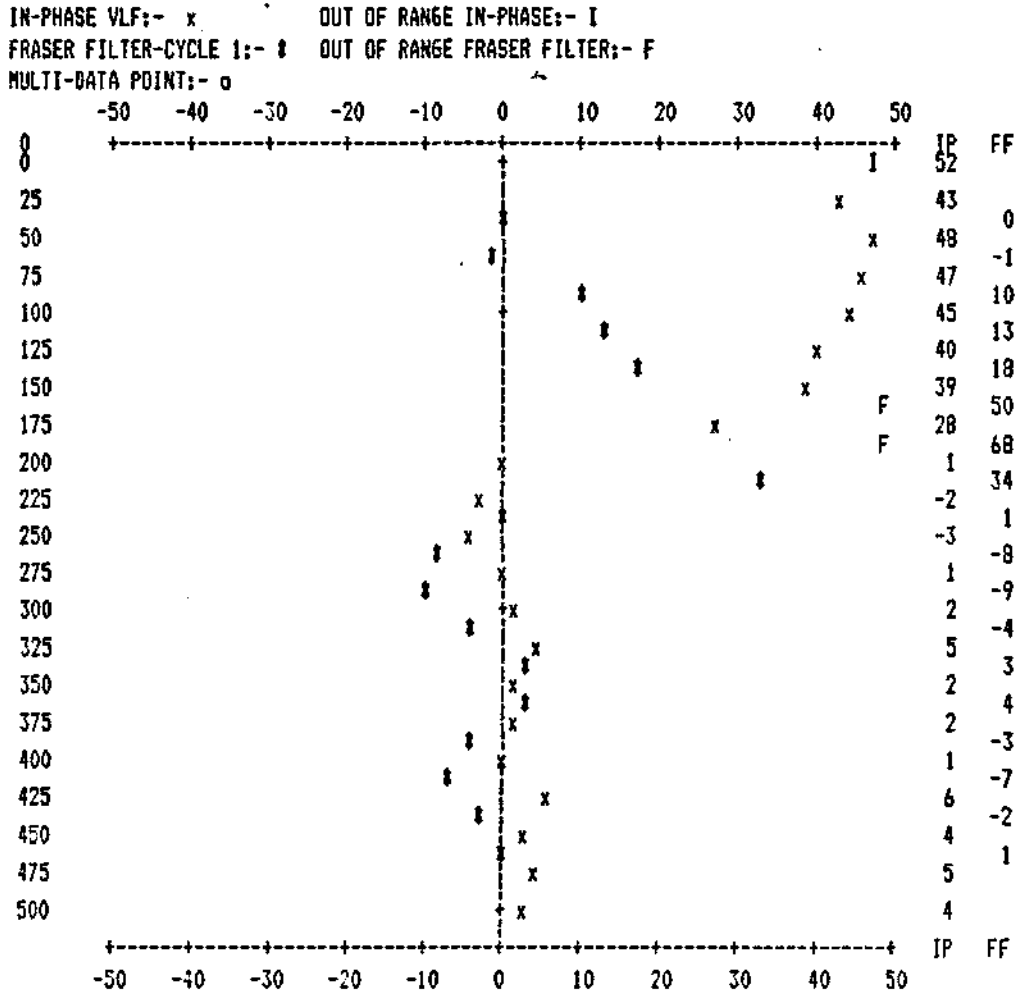
SAID VLF by J. NELSON; IN-PHASE & FRASER FILTERED  
 26+00N  
 DATE:-DATA; 30/8/85 : PRINT; 3/11/85



SAID VLF by J. NELSON; IN-PHASE & FRASER FILTERED  
 27+00N  
 DATE:-DATA; 30/8/85 : PRINT; 3/11/85

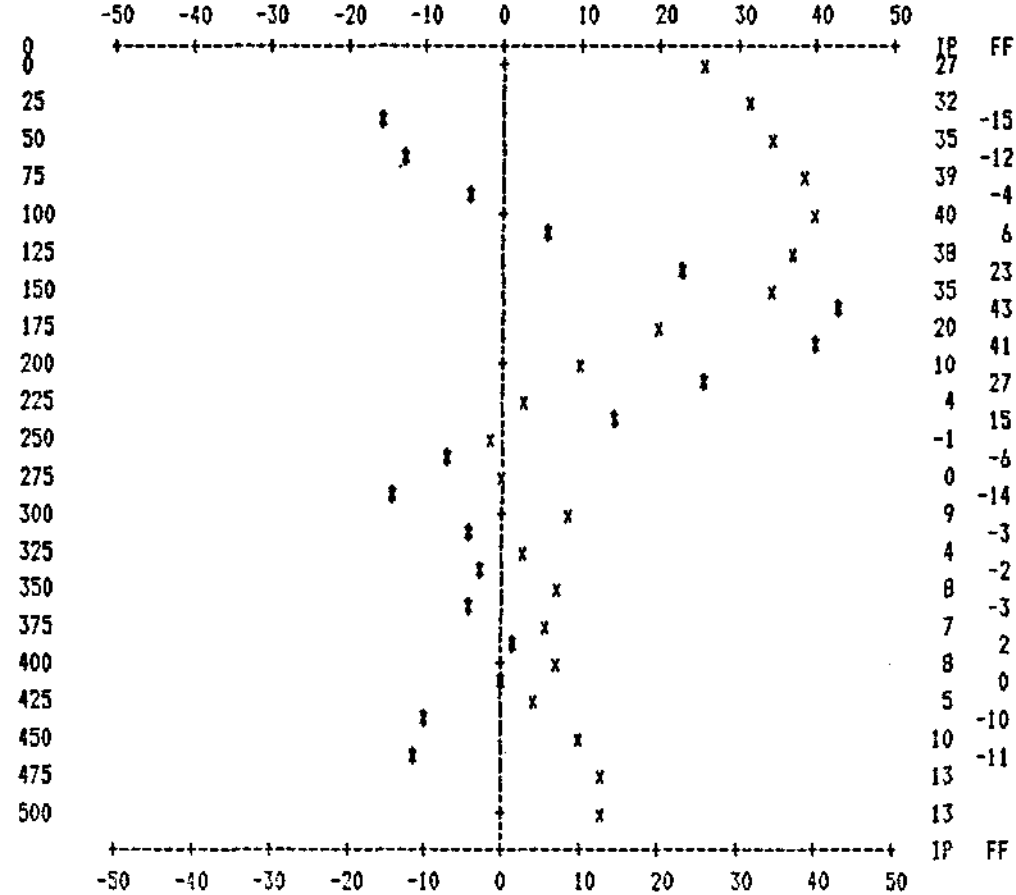


SAID VLF by J. NELSON; IN-PHASE & FRASER FILTERED  
 28+00N  
 DATE:-DATA; 30/8/85 : PRINT; 3/11/85

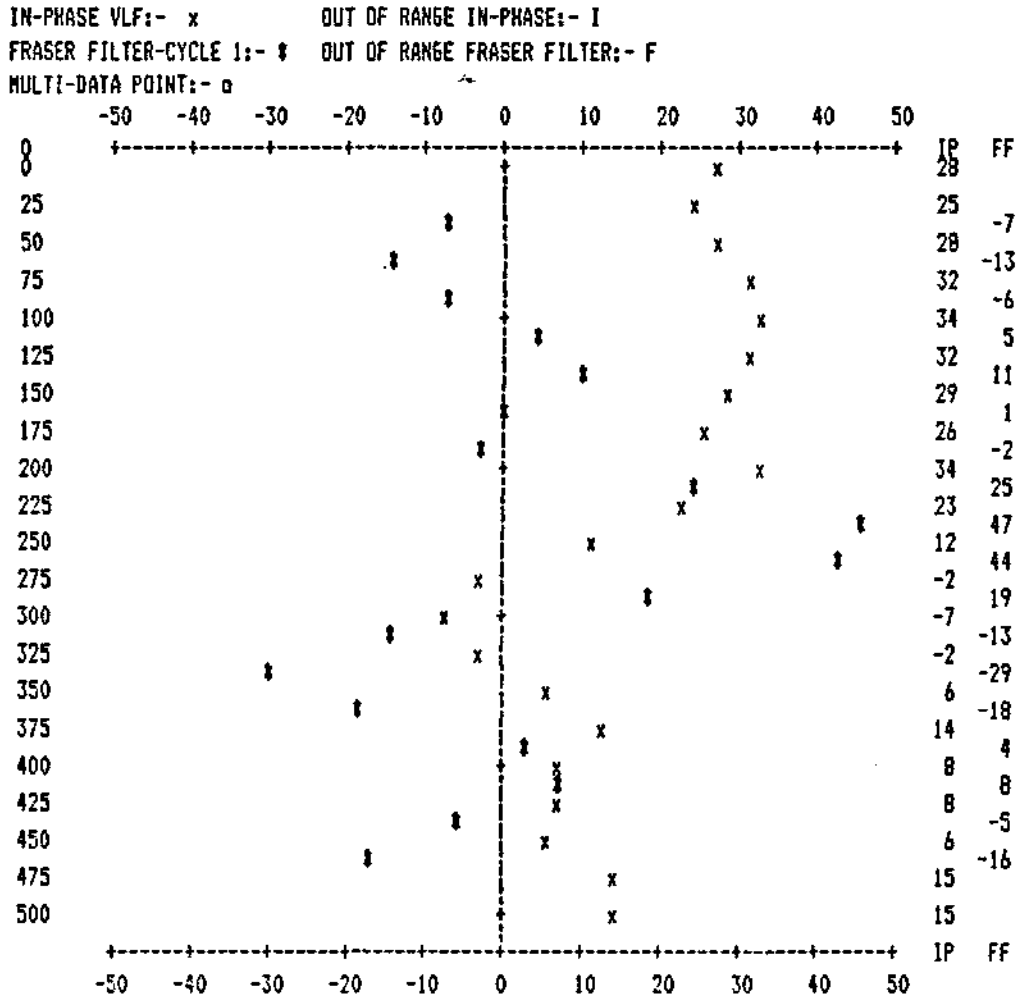


SAID VLF by J. NELSON; IN-PHASE & FRASER FILTERED  
 29+00N  
 DATE:-DATA; 30/8/85 ; PRINT; 3/11/85

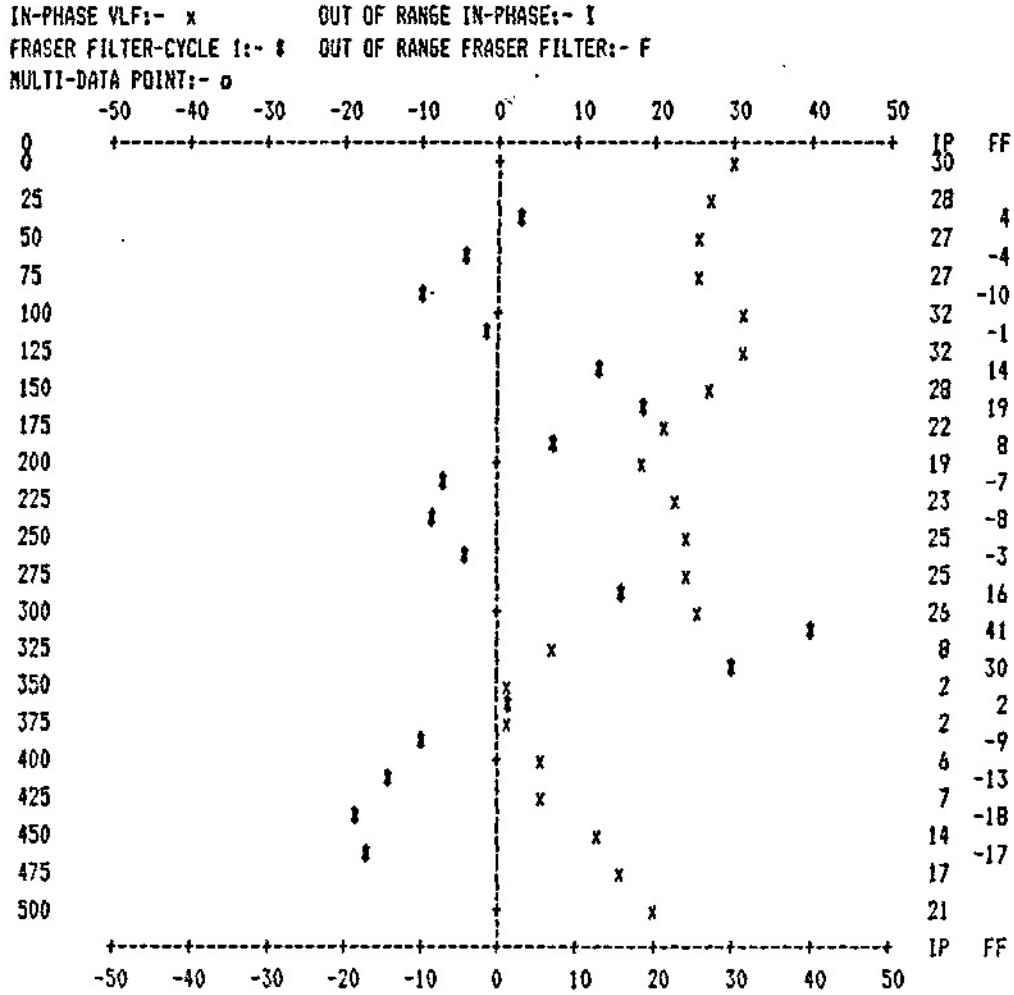
IN-PHASE VLF:- x      OUT OF RANGE IN-PHASE:- I  
 FRASER FILTER-CYCLE 1:- †      OUT OF RANGE FRASER FILTER:- F  
 MULTI-DATA POINT:- o



SAID VLF by J. NELSON; IN-PHASE & FRASER FILTERED  
 30+00N  
 DATE:-DATA; 30/8/85 : PRINT; 3/11/85



SAID VLF by J. NELSON; IN-PHASE & FRASER FILTERED  
 31+00N  
 DATE:-DATA; 30/8/85 : PRINT; 3/11/85



SW ZONE

| Sample numbers | Au ppb | Ag ppm | As ppm | Sb ppm | Hg ppb | DESCRIPTION  |
|----------------|--------|--------|--------|--------|--------|--|
| Y55 M1R        | <5     | 0.3    | 7      | 0.4    | 20     | Near to slope break. Quartz breccia, drusy, vein-swarm quartz. Meets N2R of NE end, where largest boulders (to 30 cm) seen, considerable downhill transport.   |
| Y55 M2R        | <5     | 0.4    | 1      | 0.4    | 20     | Quartz breccia; largest boulders (10-30 cm) at north end of train, abundant smaller material to south (uphill).  |
| Y55 M3R        | <5     | 0.5    | 4      | 0.5    | 40     | Quartz breccia, drusy and vein-swarm quartz. About 25-50 cm quartz boulders; considerable downhill transport.  |
| Y55 M4R        | 490    | 0.3    | 3      | 0.2    | 70     | Quartz breccia, vein-swarm and drusy quartz (to 20 cm), highest density to NE - considerable downhill transport.   |
| Y55 M5R        | <5     | 0.2    | 2      | 0.1    | 50     | Swarm of quartz veinlets in bleached argillized spars-clast tuff; quartz breccia to 30 cm. S5R, S6R represent densely concentrated float, overall train 200 m. |
| Y55 M6R        | <5     | 0.1    | 3      | 0.2    | 30     | Vein-swarm and drusy quartz in linear topographic depression, most <10 cm.   |
| Y55 M7R        | <5     | 0.4    | 1      | 0.2    | 70     | Quartz breccia with drusy quartz in linear topographic depression, most <10 cm.  |
| Y55 M8R        | <5     | 0.2    | 7      | 0.1    | 80     | A few quartz veinlets; quartz breccia with drusy quartz, pieces up to 25 cm, strong downhill transport.  |
| Y55 M9R        | <5     | 0.2    | 4      | 0.3    | 40     | Cobble quartz, drusy quartz to 20 cm; strongly oblique NNW trend, intersecting M7R and S2R.  |
| Y55 M10R       | 8      | 0.3    | 3      | 0.2    | 30     | Parallel to and in the same altered zone as M7R; vein swarm quartz.  |
| Y55 S1R        | 100    | 0.8    | 4      | 0.4    | 30     | Like S2R, at edge of altered zone.   |
| Y55 S4R        | 190    | 1.8    | 3      | 0.2    | 30     | Quartz breccia to 10 cm; in area of low fracture density, no alteration.   |
| Y55 S7R        | 200    | 1.6    | 9      | 0.4    | 30     | Indistinct float, perhaps from NNW trending pad at upper edge of alteration; sparse quartz breccia to 20 cm.   |
| Y55 S8R        | 40     | 0.3    | 2      | 0.2    | 30     | Quartz breccia to 10 cm.   |
| Y55 S9R        | <5     | 0.1    | 2      | 0.2    | 30     | Quartz breccia to 10 cm.   |

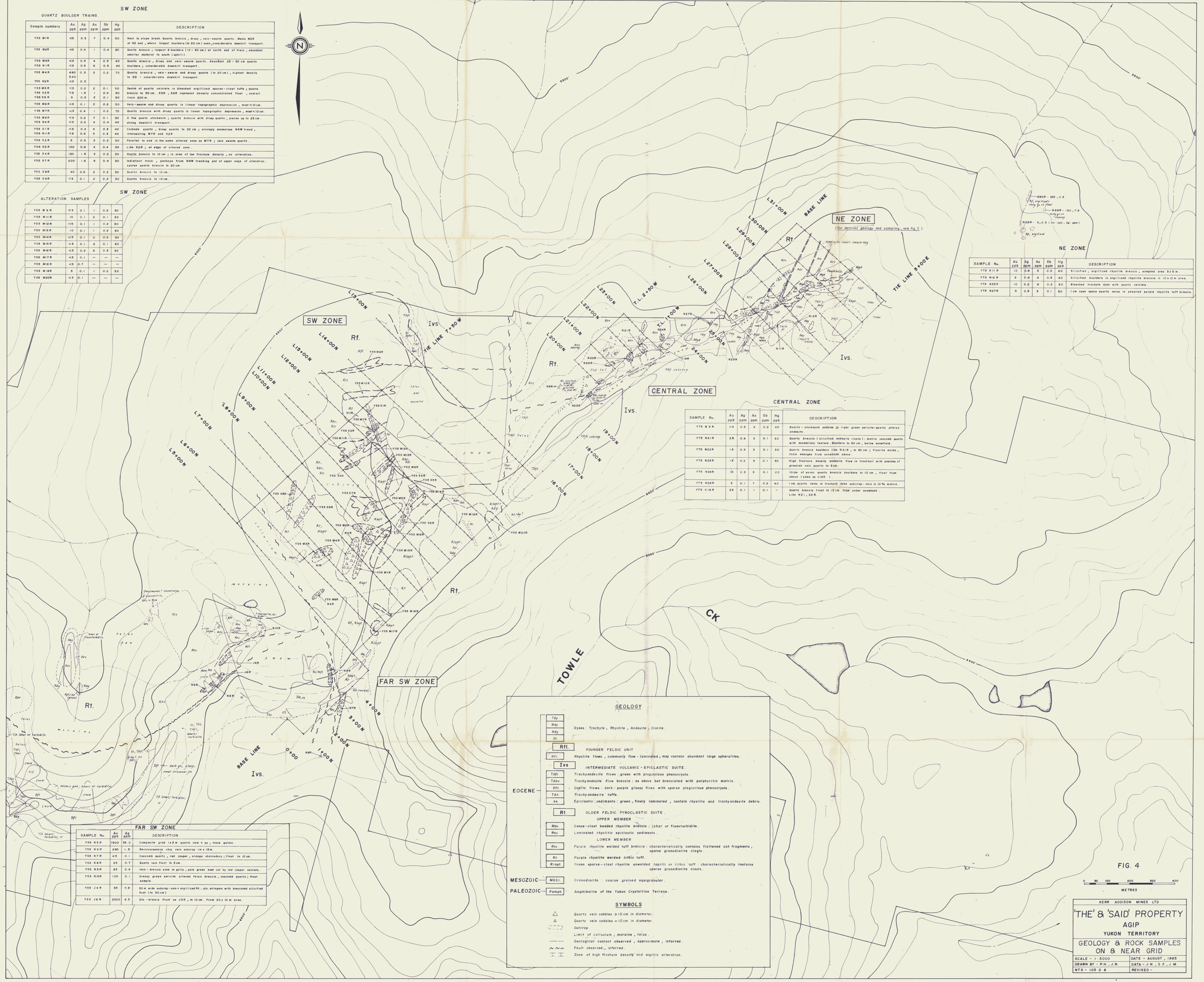
SW ZONE

| Sample numbers | Au ppb | Ag ppm | As ppm | Sb ppm | Hg ppb |
|----------------|--------|--------|--------|--------|--------|
| Y55 M9R        | <5     | 0.1    | 1      | 0.2    | 30     |
| Y55 M10R       | 10     | 0.1    | 2      | 0.1    | 30     |
| Y55 M12R       | 105    | 0.1    | 1      | 0.2    | 30     |
| Y55 M13R       | 10     | 0.1    | 1      | 0.2    | 30     |
| Y55 M14R       | <5     | 0.1    | 2      | 0.2    | 30     |
| Y55 M15R       | <5     | 0.1    | 2      | 0.1    | 30     |
| Y55 M16R       | <5     | 0.2    | 6      | 0.3    | 30     |
| Y55 M17R       | <5     | 0.1    | —      | —      | —      |
| Y55 M18R       | <5     | 0.7    | —      | —      | —      |
| Y55 M19R       | 3      | 0.1    | 1      | 0.2    | 30     |
| Y55 M20R       | <5     | 0.1    | —      | —      | —      |

NE ZONE

| SAMPLE No. | Au ppb | Ag ppm | As ppm | Sb ppm | Hg ppb | DESCRIPTION   |
|------------|--------|--------|--------|--------|--------|---|
| Y55 N11R   | 10     | 0.6    | 5      | 0.3    | 40     | Silicified, argillized rhyolite breccia, estimated area 5x5 m.        |
| Y55 N12R   | 5      | 0.4    | 4      | 0.2    | 40     | Silicified boulders in argillized rhyolite breccia in 10x10 m area.   |
| Y55 N25R   | 10     | 0.2    | 9      | 0.2    | 30     | Bleached trachyte dyke with quartz veinlets.                          |
| Y55 N27R   | 5      | 0.5    | 3      | 0.1    | 30     | 1 cm open space quartz veins in altered purple rhyolite tuff breccia. |

| SAMPLE No. | Au ppb | Ag ppm | As ppm | Sb ppm | Hg ppb | DESCRIPTION  |
|------------|--------|--------|--------|--------|--------|--|
| Y55 N3R    | <5     | 0.3    | 2      | 0.2    | 40     | Quartz - arsenic pebbles in light green matrix-quartz gneiss andesite.   |
| Y55 N21R   | 28     | 0.9    | 3      | 0.1    | 30     | Quartz breccia (silicified andesite clasts); matrix coarse quartz with microlitic texture. Boulders to 50 cm, below snowfield. |
| Y55 N22R   | 15     | 0.3    | 3      | 0.1    | 30     | Quartz breccia boulders like N21R, to 30 cm; fluorite nodules, trace, emerge from snowfield above.                             |
| Y55 N23R   | 15     | 0.2    | 3      | 0.1    | 30     | High fracture density andesite flow in frontfall with patches of greenish vein quartz to 5 cm.                                 |
| Y55 N24R   | 10     | 0.3    | 3      | 0.1    | 20     | Chips of seven quartz breccia boulders to 10 cm, float from above (same as C18R).  |
| Y55 N26R   | 5      | 0.1    | 7      | 0.2    | 40     | 1 cm quartz veins in trachyte dyke substrate, vein in 10% matrix.  |
| Y55 C18R   | 25     | 0.1    | 1      | 0.1    | —      | Quartz breccia float to 15 cm; from under snowbank. Like N21, 22R.   |



**GEOLOGY**

Tdy Dykes: Trachyte, Rhyolite, Andesite, Diorite.

RfL YOUNGER FELSIC UNIT  
RfL Rhyolite flows, commonly flow-laminated, may contain abundant large spherulites.

Ivs INTERMEDIATE VOLCANIC - EPICLASTIC SUITE  
Tajf Trachyandesite flows: green with plagioclase phenocrysts.  
Tajm Trachyandesite flow breccia: as above but brecciated with porphyritic matrix.  
Dfl Dapite flows: dark purple glassy flows with sparse plagioclase phenocrysts.  
Tajf Trachyandesite tuffs.  
Ea Epiclastic sediments: green, finely laminated, contain rhyolite and trachyandesite debris.

Rt OLDER FELSIC PYROCLASTIC SUITE.  
UPPER MEMBER  
Rbv Dense-clast bedded rhyolite breccia: jalar or fluxoturbidite.  
Res Laminated rhyolitic epiclastic sediments.  
LOWER MEMBER  
Rlx Purple rhyolite welded tuff breccia: characteristically contains flattened ash fragments, sparse granodiorite clasts.  
Rl Purple rhyolite welded lithic tuff.  
Rlapt Green sparse-clast rhyolite unwelded lapilli or lithic tuff characteristically contains sparse granodiorite clasts.

MESOZOIC - MGD1 Granodiorite: coarse grained equigranular.  
PALEOZOIC - Pamph Amphibolite of the Yukon Crystalline Terrane.

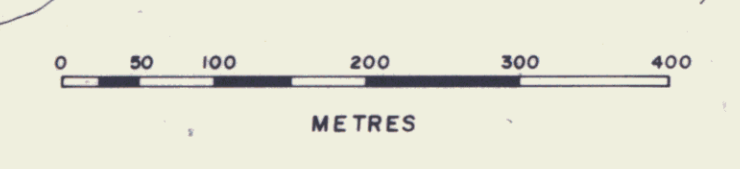
**SYMBOLS**

△ Quartz vein cobbles >10 cm in diameter.  
△ Quartz vein cobbles <10 cm in diameter.  
--- Outcrop.  
--- Limit of colluvium, moraine, talus.  
--- Geological contact observed, approximate, inferred.  
--- Fault observed, inferred.  
--- Zone of high fracture density and argillite alteration.

**FAR SW ZONE**

| SAMPLE No. | Au ppb | Ag ppm | As ppm | Sb ppm | Hg ppb | DESCRIPTION   |
|------------|--------|--------|--------|--------|--------|---|
| Y55 N6R    | 7900   | 55.0   | —      | —      | —      | Compatible grab 1x5 m quartz vein + py, trace galena.   |
| Y55 N6R    | 290    | 1.3    | —      | —      | —      | Reconnaissance chip vein intercept in x 15 m.   |
| Y55 N7R    | <5     | 0.1    | —      | —      | —      | Cocomb quartz, red jasper, orange chalcodan; float to 10 cm.                                      |
| Y55 N8R    | 25     | 0.7    | —      | —      | —      | Quartz vein float to 3 cm.  |
| Y55 N9R    | 85     | 0.4    | —      | —      | —      | Vein-breccia zone in gully, pale green heat out by red jasper veinlets.                           |
| Y55 N10R   | 100    | 0.1    | —      | —      | —      | Greasy green argillite altered felsic breccia, cocomb quartz; float sample.                       |
| Y55 J4R    | 85     | 0.9    | —      | —      | —      | 30 m wide subcrop-vein + argillized Rt. etc stringers with brecciated silicified host (to 30 cm). |
| Y55 J6R    | 2500   | 4.5    | —      | —      | —      | Ota-breccia float as J5R, to 10 cm. From 20x10 m area.  |

FIG. 4



KERR ADDISON MINES LTD  
**'THE' & 'SAID' PROPERTY**  
AGIP  
YUKON TERRITORY  
GEOLOGY & ROCK SAMPLES  
ON & NEAR GRID

SCALE - 1:5000 DATE - AUGUST, 1985  
DRAWN BY - P.H. J.N. DATE - J.W., S.F., J.M.  
NTS - 105 D 6 REVISED -

|      |      |     |
|------|------|-----|
| S1R  | <5   | 0.7 |
| N1R  | 140  | 3.6 |
| N2R  | <5   | 2.5 |
| N3R  | <5   | 0.6 |
| N4R  | <5   | 0.6 |
| N5R  | <5   | 0.8 |
| N6R  | <5   | 1.2 |
| N8R  | 25   | 1.2 |
| N9R  | 60   | 2.7 |
| N10R | 110  | 2.6 |
| N13R | <5   | 1.2 |
| N14R | <5   | 1.3 |
| N15R | 30   | 1.3 |
| N16R | 50   | 1.9 |
| N17R | 750  | 1.2 |
| N18R | 55   | 3.9 |
| N19R | 6450 | 1.2 |
| N20R | 55   | 7.5 |
| G18R | 85   | 2.2 |
| G19R | 20   | 0.6 |
| G20R | 70   | 3.0 |
| G21R | 40   | 0.6 |
| G25R | 130  | 0.8 |
| G27R | 160  | 0.5 |
| G29R | <5   | 0.6 |
| G31R | 60   | 2.8 |
| G3S  | <5   | 2.0 |
| G4S  | 75   | 0.5 |
| G5S  | 10   | 0.2 |
| G6S  | <5   | 0.2 |
| G7S  | <5   | 0.2 |
| G12S | <5   | 0.1 |
| G15S | <5   | 0.2 |
| G32S | 10   | 0.9 |
| C12R | <5   | 1.0 |
| C13R | 20   | 0.7 |

SAMPLE No. - Au (ppb), Ag (ppm)

### LEGEND

Afl Abv

GREEN ANDESITE AND FLOW BRECCIA.

Plagioclase phenocrysts in very fine grained matrix.

RTx

RHYOLITE OR TRACHYTE TUFF BRECCIA.

Welded with a distinct flattening (/flow) foliation, purple when unaltered. Lithic clasts include flattened tuff fragments typically 1 x 5 cm, trachyte/rhyolite, characteristic minor Mesozoic granodiorite. Kspar, quartz crystal clasts. Quartz may be cognate or derived from granodiorite.

Ady

ANDESITE DYKE.

Abundant small plagioclase phenocrysts; fine grained, green holocrystalline matrix.

Tdy

PALE GREY TO LAVENDER TRACHYTE DYKE.

Mostly massive, very pale matrix with sparse Kspar phenocrysts. Strong lamellar flow banding in places.

Mgd

GRANODIORITE.

Coarse grained, ± epidote - quartz veins.

fd > 10/m fd < 5/m

ZONE OF RELATIVELY HIGH FRACTURE DENSITY.

With bleaching, argillitic alteration. Generally transition occurs within wall rock lithologies, although dykes with characteristically high fracture densities from part of the zone.

---

GEOLOGICAL CONTACT (Approximate, inferred).

---

LIMIT OF COVER; MIXED DEBRIS.

△

QUARTZ VEIN OR SILICIFIED FLOAT.

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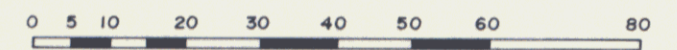
OUTCROP

○

SOIL SAMPLE ○ ROCK SAMPLE ● COMPOSITE ROCK SAMPLE

CONTOUR INTERVAL - 5 metres.

FIG. 5



METRES

KERR ADDISON MINES LTD

THE PROPERTY

DETAILED GEOLOGY

NORTH EAST ZONE

SCALE - 1:1000

DATE - SEPTEMBER, 1985

DRAWN BY - J.N., P.H.

DATA - J.N.

NTS - 105 D

REVISED -

091850

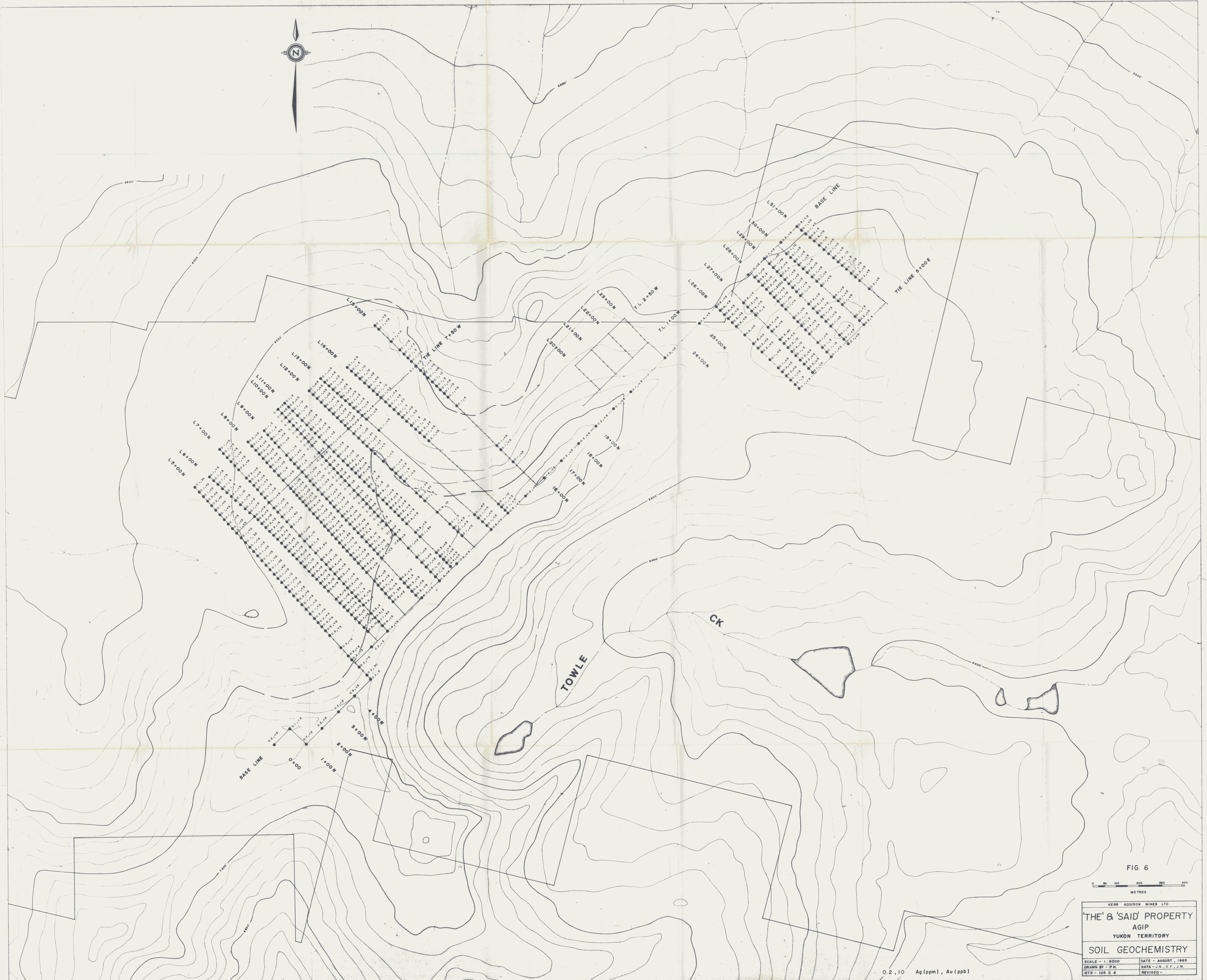
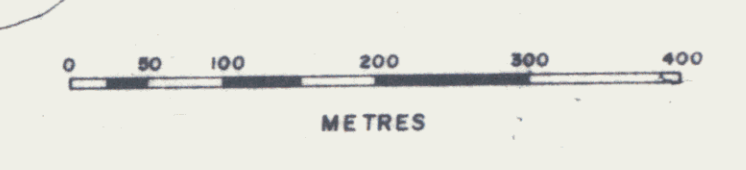


FIG 6



KERR ADDISON MINES LTD  
 'THE' & 'SAID' PROPERTY  
 AGIP  
 YUKON TERRITORY  
 SOIL GEOCHEMISTRY  
 SCALE - 1:5000 DATE - AUGUST, 1985  
 DRAWN BY - P.M. DATA - J.N., S.F., J.M.  
 NTS - 105 D.6 REVISED -

0.2, 10 Ag (ppm), Au (ppb)



**LEGEND**

- Fraser filter values.
- Tilt (in-phase) data.
- Quadrature (out of phase) data.
- Vertical scale (degrees).

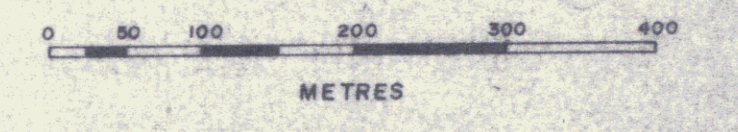


FIG. 7

KEAR ADDISON MINES LTD  
**THE 'SAID' PROPERTY**  
AGIP  
YUKON TERRITORY  
**VLF SURVEY DATA**  
SCALE - 1:5000      DATE - NOVEMBER, 1985  
DRAWN BY - J.N., P.H.      DATA - J.N., S.F.  
NTS - 105 D 6      REVISED -