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**E.L. 9/76 BLUE TIER AREA**

**PROGRESS REPORT, DECEMBER 1982**

**OPEN FILE**

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**December 1982**

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SUMMARY

Regional drilling and geochemical programmes over E.L. 9/76 were completed in May-September 1982. The results of the drilling programme were generally disappointing with few Alkali Granite intersections. North of the Anchor Mine proved to be the most interesting area, where two intersections of greisenised but tin-poor Alkali Granite were obtained. These may represent the margin of a large Anchor-style deposit.

The geochemical programme enabled the Dg-fp granitoids to be affiliated by Rb/Sr ratio to either of the two major granite types and also showed that a weakly developed zonation of trace tin and copper values exists in the Alkali Granite.

Drilling results from two earlier programmes at the Moon Mine were assessed, and indicate the possibility of an elongate dome of relatively high grade mineralisation there, in a similar geological setting to the Anchor.

The overall intrusive morphology of the Alkali Granite has now been defined from regional exposures and drilling results. It is in the form of a steep sided ovoid body, with ridges of greisen mineralisation situated on its steep flanks. Exploration within E.L. 9/76 in 1983-84 should be directed towards finding such concealed bodies in the North Anchor and Lottah Tunnels-Ransome River areas. Also, a further programme is proposed around the Moon Mine, to more accurately delineate the mineralised zone that exists there. A litho-geochemical study of drill core and rock chips from the Anchor area, to find trace elements that may indicate the presence of buried mineralisation, is also proposed. These programmes, which should include 13 drill holes totalling about 1800m, are estimated to cost \$154,850.

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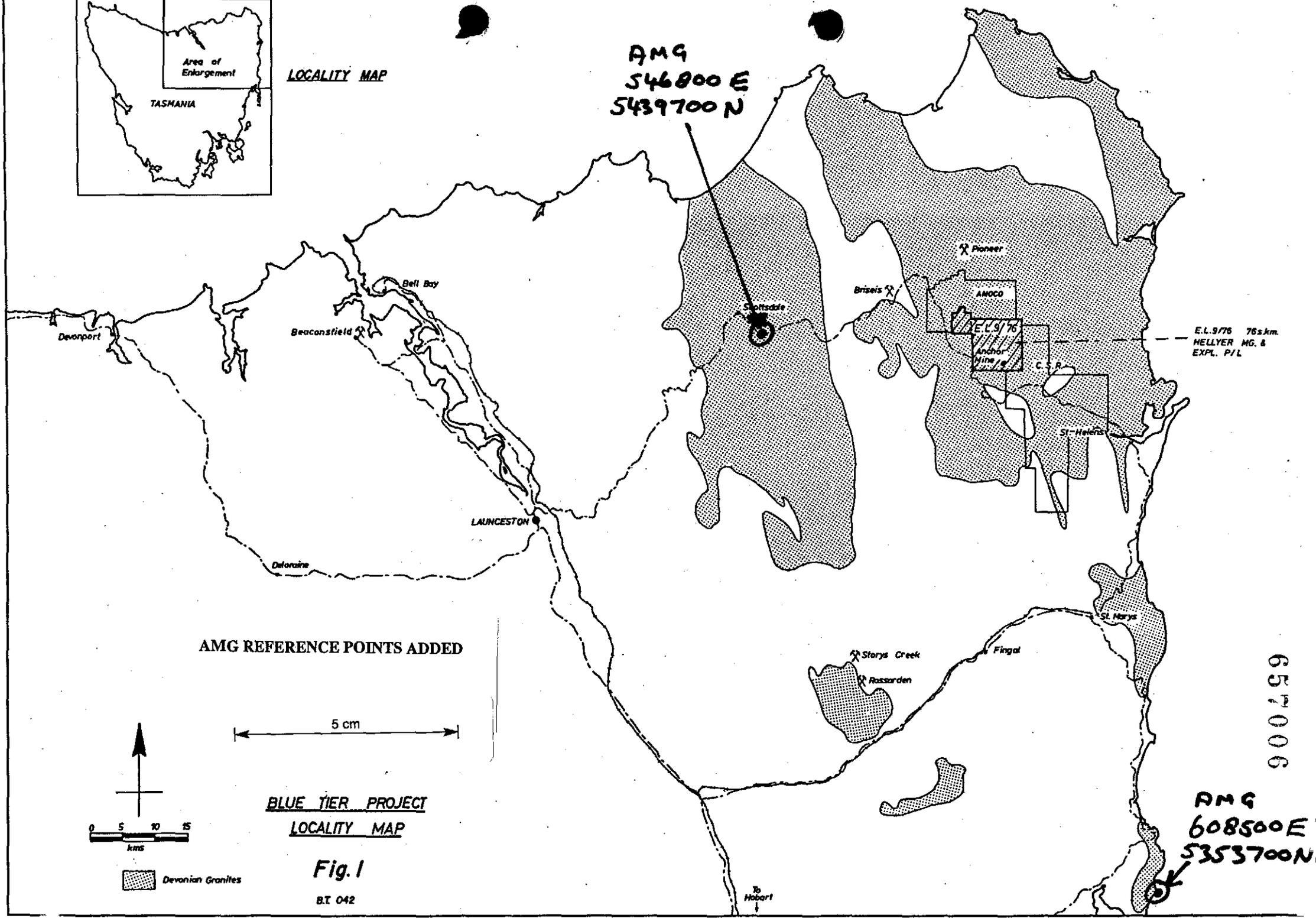
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LOCALITY MAP

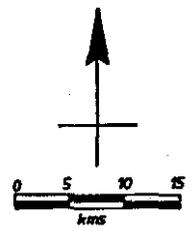
AMG  
546000 E  
5439700 N



E.L. 9/76 76s.km.  
HELLYER MG. &  
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AMG REFERENCE POINTS ADDED

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BLUE TIER PROJECT  
LOCALITY MAP

Fig. 1

B.T. 042

Devonian Granites

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AMG  
608500 E  
5353700 N

1. INTRODUCTION

E.L.9/76 covers part of the Blue Tier area in northeastern Tasmania and is situated approximately 30km northwest of St. Helens. (Fig. 1) The area enclosed by the licence includes the Anchor Mine and other small mines of the Blue Tier Tinfield which were active between 1870 and 1930, producing 4000 tonnes of tin.

Renison Ltd. began exploration in late 1977, as a Joint Venture project with Hellyer Mining and Exploration Pty. Ltd. In mid 1982, Gold Fields Exploration Pty. Limited replaced Renison as operator of the licence. The main direction of exploration has been towards finding concealed or partly concealed greisen type tin deposits of large tonnage. Between 1977 and 1981 this involved regional mapping over the licence area and diamond drilling predominantly in the vicinity of the Anchor Mine, with minor programmes in the Moon Mine and Haley's Workings areas.

As a result of the drilling carried out at the Anchor Mine, completed in mid-1981, a potential deposit was delineated and assessed, but is still considered insufficient to justify the completion of a definitive feasibility study. A drilling programme, outlined by Roberts (1982), was aimed at discovering further concealed greisen-type tin deposits in order to supplement the defined tonnage at the Anchor Mine.

Detailed and discussed in this report are the results of the 1982 drilling programme, the results of a regional rock chip geochemistry survey and the results of the 1980-81 diamond drilling in the Moon Mine area.

Recommendations for follow-up drilling are proposed.

2. LAND TENURE

The holders of E.L.9/76 are Hellyer Mining and Exploration Pty. Ltd., who are in a Joint Venture Agreement with Renison Ltd. The operators of the licence are Gold Fields Exploration Pty. Ltd. Details of the mining leases held within the licence area are outlined in Ross (1978) and Roberts (1982).

3. EXPENDITURE

A total of \$119,073 was spent during 1981-82 together with \$70,787 in the current financial year to the end of October. Of this \$124,110 was spent on the regional exploration programme described in this report. A detailed expenditure statement is attached (Appendix 1).

The total amount spent by the Joint Venture to the end of October is \$1,117,713.

G.F.E.L.'s current share of the expenditure is 60% of the total, reflecting Renison's share of the Joint Venture.

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4. PREVIOUS WORK

Previous work carried out on E.L. 9/76 by other companies, prior to 1977 is described in the 1978 Annual Report (Ross 1978). Exploratory programmes undertaken by Renison since 1977 comprise:

4.1 Diamond Drilling

A series of comprehensive drilling programmes (99 holes) has been completed at the Anchor Mine, including 16 bulk sample holes, on which metallurgical testwork has and is being carried out. The results of the drilling at the Anchor Mine were summarised by Ross (1981).

Further drilling was carried out elsewhere on the licence, at Haley's Workings-Southern Cross (BT 40,41 in 1977) and at the Moon Mine area (BT 90,95 in 1980, BT 112-114 in 1981). The Haley's Workings-Southern Cross drilling results were detailed by Ross (1978) and the findings of the Moon Mine area drilling are outlined later in this report.

4.2 Photogeological and Ground Surveys

In 1979 a photogeological study was performed, attempting to distinguish the granite types, however, distinction was found to be difficult using this method.

Ground surveys consisting of soil geochemical and geological mapping on cut grid lines were made over three field seasons. The southern grid, consisting of 44 line km, was cut, mapped, sampled and partly geophysically tested by I.P. soundings in 1979, and in 1980 a further 13 line km was also cut. The northern grid totals 71 line km and was geochemically soil sampled and geologically mapped in 1981. The extra 13 line km of the southern grid was also geologically mapped in 1981. Results from both the southern and northern grids are outlined in Ross (1980) and Roberts (1982) respectively.

5. WORK COMPLETED MAY-OCTOBER, 19825.1 Drilling

Twenty exploration holes, (numbered BT 146 to 165) totalling 2033.6m were completed between May and October, 1982, based on the programme outlined by Roberts (1982). All holes were initially percussion drilled (for a total of 724m) and in each case, the entire sample was collected in calico bags at 1m intervals, according to the proposal of Roberts (1982). Holes encountering difficulty with hammer drilling were changed to diamond drill coring (for a total of 1309.6m). All holes were logged (given in Appendix 4) and survey located (Figure 2). Greisenised Alkali Granite intersections were assayed for Sn, Cu, Pb, Zn, Ag, Bi, As, and  $WO_3$  at the Renison Assay Laboratory.

5.2 Geochemical Sampling

A regional surface geochemical rock-chip sampling programme was undertaken to:

- a) distinguish the chemical affinities of the various outcrops of Dg-fp (fine-medium grained, partly porphyritic two-mica granite), by analysis for Sn,  $WO_3$ , Li, Cu, Zn, Rb and Sr.
- b) determine if a large scale geochemical halo exists within the Alkali Granite exposed in the Licence Area by analysis for Sn,  $WO_3$ , Cu and Zn.

Samples were collected during the 1982 field season and together with some of the samples taken by R. Poltock during regional mapping in 1981, were analysed at the Renison Assay Laboratory.

5.3 Geological Mapping

Combined with the May-October 1982 rock-chip sampling, certain areas immediately north and northwest of the Anchor Mine were re-mapped geologically, in order to more accurately delineate the exposed Alkali Granite in this vicinity.

## 6. RESULTS

### 6.1. Moon Mine Area

Geological mapping in the Moon Mine area by R. Poltock and P. Roberts has shown that a 'window' of variably mineralised and greisenised Alkali Granite, some 140m by 90m, exists. Old workings in the area consist of shallow open cuts and shafts. In 1904-1905, the Mt. Lyell Mining & Railway Company carried out a surface and sub-surface trenching and drilling programme, delineating small zones of moderately high grade mineralisation.

Diamond drill holes BT90 and 95 were completed in 1980, and holes BT112 to 114 were drilled in 1981. They were designed to test for concealed extensions of the mineralisation shown to exist at the Moon Mine surface by the Mt. Lyell drilling and trenching, and also to test for the concealed contact between Alkali Granite and Poimena Adamellite in the vicinity of the Mine.

Logs and assays of these holes are detailed in Appendix 4 and all holes and trenches are shown in Figure 3. Cross-sections and one long section (Figures 4 and 5) through the Mine area, together with a structural contour map of the Alkali Granite roof contact and an isopach map of mineralised Alkali Granite have been constructed (Figures 6 and 7).

The results of the Mt. Lyell drilling and trenching revealed a small near surface zone of mineralised Alkali Granite, which has the characteristic "greisen-cupola" shape. This work also provided information on the Poimena Adamellite-Alkali Granite contact, which appears to dip moderately steeply in a westerly direction, while a more complicated contact exists to the east.

The Renison drilling results extended the mineralisation discovered by the Mt. Lyell work. One significant Sn mineralised interval was recorded within BT90, where 16 metres of 0.60%Sn

and 3 metres of 0.23% were intersected. Other intersections were all narrow (2 metres) but they exhibited a relatively high grade (0.48-0.78%Sn) of mineralisation. All five Renison holes located the Poimena Adamellite-Alkali Granite contact.

Holes BT 90, BT 113 as well as Mt. Lyell bores No.25 and No.19 continued into a lower complex contact zone. This has been interpreted on the plans and sections as an embayed contact with a large tongue of Adamellite protruding inwards from the east, for a maximum distance of approximately 100m, roughly 100m below the Alkali Granite outcrop. Although interpreted in this fashion, the zone may be explained as a very large xenolith or a stoped and assimilated slab, an interpretation favoured by earlier workers i.e. Reid and Henderson (1928).

The structural contour map of the Alkali Granite roof displays the general domal nature of the intrusion, which is slightly elongated north-south. The contours indicate the above mentioned complex contact to the east and a steeply dipping western contact, making correlation with the nearby dyke-like Southern Cross body difficult. However, a possible connection exists to the north as the north-south trending Michael Dome (Roberts, 1982) may pass through the Moon Mine area.

An isopach contour map (Figure 7) of the griesen zone with significant Sn grade (0.1% cut off), constructed from the cross-sections, shows the "inverted saucer" shape of the body. A high level portion is exposed, however the highest level portions in the centre of the 'saucer' have been either eroded or mined. The western section of the zone dips to the west at 40° and plunges south shallowly, at approximately 5°. The rest of the zone is flat lying towards the centre, dipping away from the centre at variable angles (10°-30°). The open ended areas to the north and south indicate the poorly defined nature of the mineralised zone. Extensions to the zone may continue in these directions, however the eastern direction is limited by the embayed contact which apparently exists there.

The potential tonnage and grade of the mineralised zone was estimated from cross-sections B, C and D, using the sectional

method outlined by King et. al. (1982). The obtained estimate is 110,000 tonnes at a grade of 0.40% Sn. It must be noted that this figure is not an ore reserve, but a rough estimate of a portion of a mineralised zone which possibly extends in the directions shown on Figures 6 and 7. If mineralised extensions do exist, the deposit has potential for at least 0.5 million tonnes of a similar grade.

## 6.2 Drilling

Five areas within the licence were explored for the possibility of unexposed Alkali Granite, occurring as domes or ridges beneath the Poimena Adamellite. The results from each of the areas are summarised below, and Figure 2 shows the hole and area locations.

### 6.2.1 Wyniford East Area

Two holes, BT 146 and BT 147 were drilled for a total of 211.8m. BT 147 intersected 31m of fresh Alkali Granite from R.L. 634.6 (86m below surface). Due to the lack of alteration, this interval was not assayed. BT 146 encountered an unusually fine-grained variety of Poimena Adamellite which was weakly sericitised. A petrographic examination of core from BT 146 and BT 147 was performed by CMS. Using their summary (Appendix 3 gives full petrographic descriptions) it appears that BT 146 contains mixed granite-adamellite phases probably representing the "hybrid" Dg-fp granite.

### 6.2.2 Wyniford West Area

Four holes, BT 161, 162, 148 and 149, totalling 401.6m, were drilled in this area, all of them encountering weakly sericitised Poimena Adamellite.

### 6.2.3 Michael-Moon Area

Six holes, BT 151 to 156, totalling 587.9m, drilled south of Mt. Michael, failed to discover unexposed Alkali Granite. A variety of alteration and weathering states were recorded from these holes. BT 156, 154 and 152 were weakly sericitised, BT 155 and 151 contained abundant pegmatitic and aplitic phases, and BT 153 appears to represent a deep weathered zone within the Adamellite mass.

#### 6.2.4 Crystal Creek Lineament

A total of four 75° angle holes, totalling 406.1m, were drilled near the NW-SE lineament, to test for unexposed Alkali Granite. The holes were angled to avoid the possibility of drilling down a vertical vein system. Two, BT 157 and 158 were collared near the head of the Crystal Creek and were drilled away from the lineament. The other two, BT 160 and 159, were situated in the vicinity of Doyles Workings to the north west. Both holes were planned to drill to the SW, however BT 159 could not be drilled in this direction due to the restricted size and shape of the drill pad. All four holes intersected weakly sericitised Poimena Adamellite, however BT 160, the only hole drilled towards the lineament struck 26m of strongly altered and fractured Adamellite, representing a possible fault zone. A fifth hole, BT 164, was drilled slightly off the lineament near Crystal Creek. It passed through weakly sericitised Poimena Adamellite.

#### 6.2.5 North Anchor Area

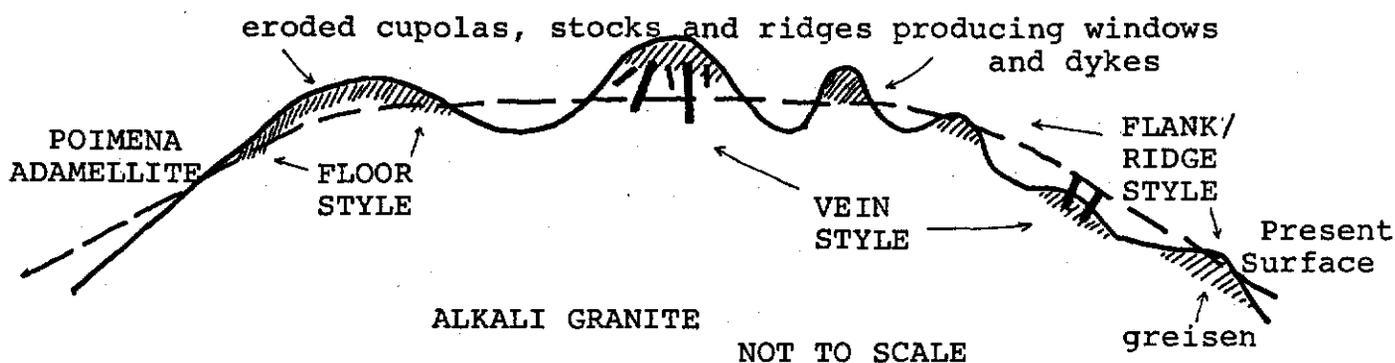
Three holes were originally planned for this area, however due to problems experienced in land tenure, the central hole was not drilled (see figure 2). The northern hole, BT 150, did not intersect Alkali Granite, remaining in sericitised Poimena Adamellite for 111.50m. The southern hole, BT 163, passed through Dg-fp, Poimena Adamellite (weakly sericitised), then moderately greisenized Alkali Granite at R.L. 376 (88m below surface). A further hole, BT 165 was then drilled to the south and it encountered greisenized and altered Alkali Granite underlying Dg-fp, at R.L. 366 (38m below surface). Whilst the core appeared encouraging, assays of the Alkali Granite from both BT 163 and BT 165 were disappointing. The average Sn value from the holes is 30ppm, well below the 50ppm Sn average of Blue Tier Alkali Granite (Groves et.al. 1977).

### 6.2.6 General

Overall, the results did not tend to support the possibility of domal extensions in the areas drilled, however the results from the holes in the North Anchor area have been useful as "stratigraphic" markers. Together with the data from previous drilling around the Anchor Mine, structural contour maps of the Alkali Granite roof contact have been prepared; immediately around the North Anchor area at 1:5000 (Figure 8) and regionally at 1:20000 (Figure 9). These maps have been compiled using limited data, mainly outcrop relationships. Therefore although the trends of the contours are probably correct, their positioning may not be exact.

An idealised model of the morphology of the Alkali Granite intrusion can be built up from Figure 9. The roof contours of the Alkali Granite indicate an irregularly shaped steep sided intrusion with a complex series of domes, ridges and dykes developed at its maximum level of intrusion (see below). Recent mapping by McClenaghan and Williams (1982) provides a similar intrusive pattern. Figure 9 also outlines the positions of the Moon and Anchor Mines, which occur on flanks of the main intrusive body

#### SCHEMATIC SECTION THROUGH THE ALKALI GRANITE



of Alkali Granite. The diagram above shows the relative Mine positions and explains the different styles of mineralisation observed at Blue Tier.

After the erosion of the apical-greisenised portions of the Alkali Granite intrusion, three main styles of mineralisation still exist on the summit and flanks of Blue Tier:

- a) Vein style:-probably representing basal features of eroded greisen bodies in Alkali Granite, or leakage zones of buried Alkali Granite.(e.g. Lottah Tunnels, FB Lode).
- b) Floor style:- the last shallow remnants of overlying mineralised granite. (e.g. Australian, Michael Workings)
- c) Flank/ridge style:- unexposed or partly exposed ridges and cupolas of greisenised granite on the flanks of the main Alkali Granite intrusion. (e.g. Anchor and Moon Mines).

### 6.3 Geochemistry and Mapping

Geologic remapping in the area north and north west of the Anchor, has altered the outcrop pattern of Alkali Granite in this vicinity (compare Figure 2 with Figure 10). Contacts were mapped firstly from observations in the field, then secondly from the tin content of soils,taken from the soil geochemistry map of Ross (1980). The bed of the small creek flowing south west towards the Anchor Mine, runs along the Alkali Granite roof contact for several tens of metres, as pegmatites and both Alkali Granite and Poimena Adamellite are exposed. Outcrops along the Weldborough-Lottah road are poor, and as no Alkali Granite was observed and as the Sn content of the soils in the area does not reflect the typical Alkali Granite signature, it has been mapped as Poimena Adamellite, although the nearest exposures are Dg-fp.

The results of the geochemical sampling are given in Appendix 2. Sample locations and sample numbers are displayed on Figure 10. Also, petrographic examinations (by CMS,Adelaide) were performed on the Dg-fp samples, the results of which are described in Appendix 3.

### 6.3.1 Dg-fp Geochemistry

Samples from known exposures of Dg-fp were taken and analysed for a variety of elements, to see if any chemical affinity existed between this group of rocks and the two major granite-lithologies. The results showed fairly conclusively that some outcrops have definite affinities to Alkali Granite and others to Poimena Adamellite. This distinction was made using Rb and Sr analyses and Rb/Sr ratios.

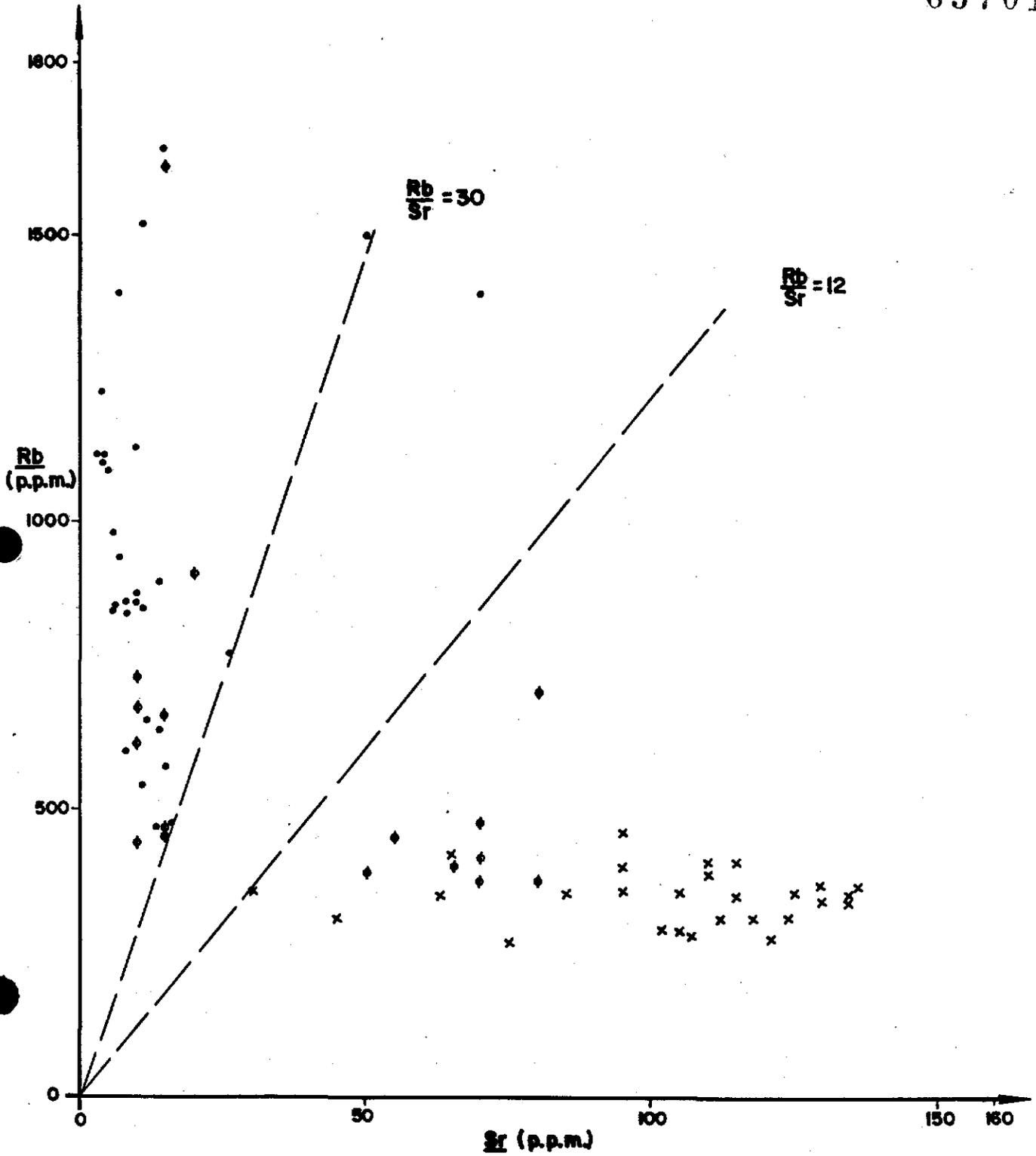
Figure 11 is a graph of the Rb and Sr contents of granites from various Blue Tier analyses, both published and unpublished (Groves et.al., 1977; McClenaghan and Williams, 1982 and unpublished Mines Department data). Also on this graph, are the Dg-fp Rb and Sr analyses. Two major fields are produced on the graph; the Alkali Granite field and the Poimena Adamellite field. The Rb/Sr ratios that indicate the boundaries of these fields are  $\geq 30$  and  $\leq 12$  respectively (Figure 12). Thus the Dg-fp's have affinities with either of the other major granitoids, and their positions in the licence area as shown on Figure 12.

The petrography of the Dg-fp granites only confirms that they are marginal between the petrography of the two main granitoids. However, the Sn and Li values in some samples appear to be due to the secondary minerals produced by alteration. Only a rough mineralogical distinction between Dg-fp samples of differing affinities is possible.

### 6.3.2 Alkali Granite Rock Chip Geochemistry

Samples were taken from Alkali Granite exposures over the entire licence area, in order to see if any gross geochemical pattern exists for Sn,  $WO_3$ , Cu and Zn. Dg-fp samples with Alkali Granite affinities were also included.

The results of Sn assays are displayed on Figure 13, which shows and appreciable increase in Sn content in



MINES DEPT. { Alkali Granite analyses.....  
 Poimena Adamellite analyses.....  
 Dg-fp analyses.....

5 cm

GOLD FIELDS EXPLORATION PTY. LIMITED	
<b>Rb versus Sr for various Blue Tier Granitoids</b>	DRAWN BY : A.J.C.
	DRAFTSMAN: S. J.F.
	DATE : Dec. 82
	REVISIONS :
	FILE NO
SCALE 1	 Metres
FIG. 11	

the Alkali Granite bodies that have reached a high "stratigraphic" level. This may be due to remnant 'floor style' mineralisation and enrichment (some samples were greisenised see Appendix 2) or a true Sn zonation towards the granite peripheries.

The Cu results (Figure 14) have a similar but less well defined pattern than Sn. The higher Cu values appear to be confined to the margins and slopes of the highest elevations of Alkali Granite, possibly as a result of a crudely developed zonation.

Zinc and Tungsten values shown on Figures 15 and 16 respectively, display quite random distributions, with no apparent pattern.

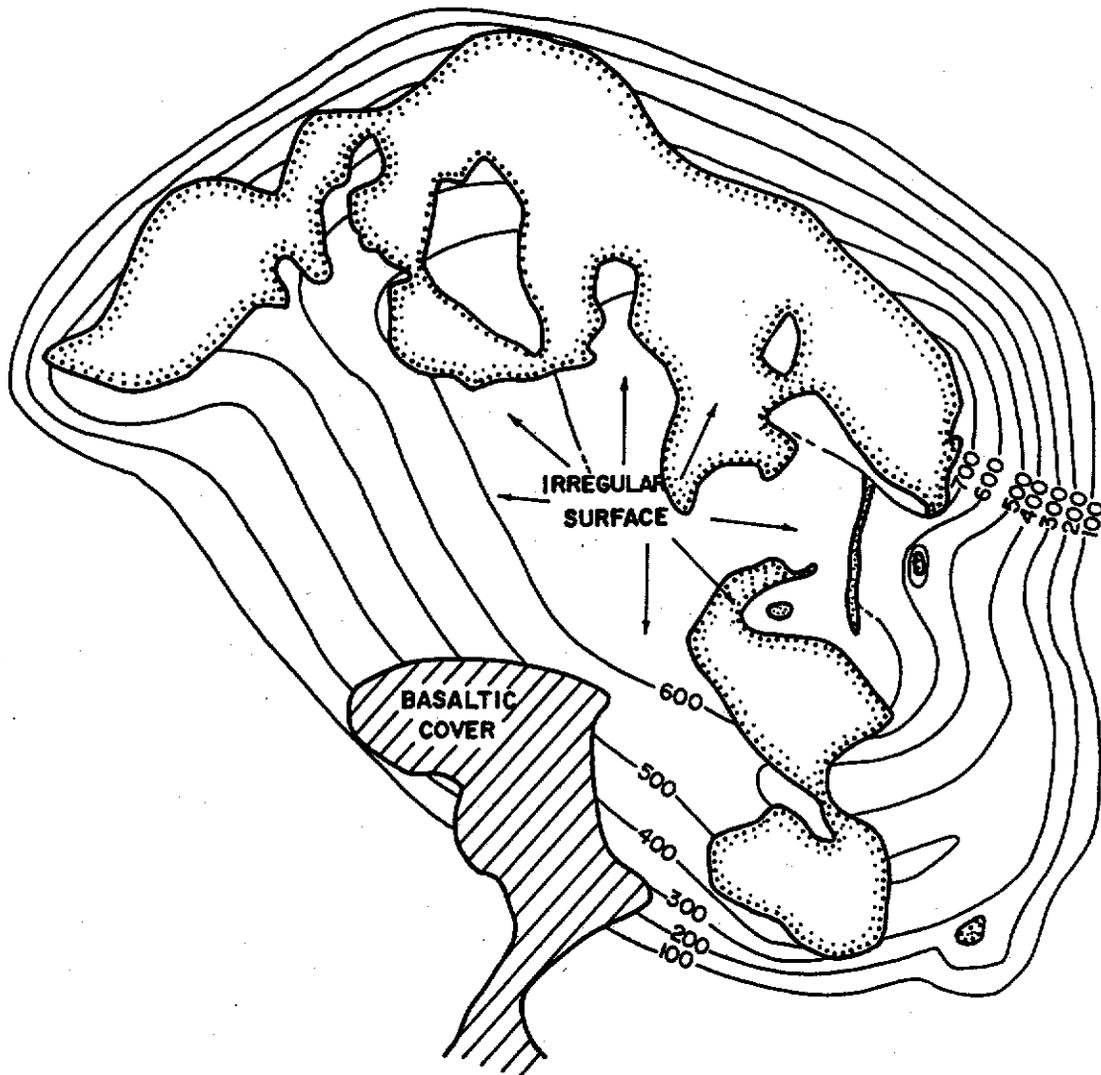
## 7. CONCLUSIONS

The results obtained from the 1982 (regional) and 1980-81 (Moon Mine) drilling, combined with the detailed information from the Anchor Mine area, indicates a particular morphologic model for the Blue Tier Alkali Granite intrusion. The south-eastern corner of the intrusion is depicted on Figure 9, where most of the drilling has concentrated. The shape constructed on Figure 9 for the intrusion can equally be applied to the rest of the intrusion, within limits delineated by the exposure pattern of the Alkali Granite. This gives the intrusion the probable morphology outlined in Figure 17; an ovoid, steep-sided body with a very irregular but overall flattish upper surface. The present exposure level means that the upper irregularities have now been removed leaving only remnant greisen floors and veins.

The Moon and Anchor Mines, exhibit several similarities on Figure 9; both are on the steep outer slopes of the main intrusive body, (at different levels); both are elongated bodies, extended along the strike of the structural contours for each area and both have complex embayed outer (downslope) roof contacts. This flank-ridge style body is the only type of deposit still prospective for low grade, large tonnage mineralisation. The Moon and Anchor deposits are both partially exposed but there obviously exists a possibility for buried deposits anywhere on the steep sides of the intrusion (Figure 17).

Vein mineralisation in itself is of limited value as an exploration target. However veins within the cap granite (Poimena Adamellite) have an obvious application as mineralisation indicators. It is likely that at least some veins issue upwards from buried greisen bodies, although the possibility also exists that the veins represent "leakage zones" and mineralisation within the body below is absent.

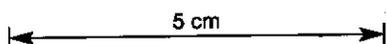
The geochemical results from the Blue Tier region indicate a crude zonation or partition within the Alkali Granite intrusion. Tin is concentrated towards the upper levels of the body in the east and down the SE flanks? (Figure 13) and Cu is more abundant on the eastern and northern upper edges of the sides (Figure 14).



OUTCROPPING ALKALI GRANITE



STRUCTURAL CONTOURS



GOLD FIELDS EXPLORATION PTY. LIMITED

**STRUCTURAL CONTOUR MAP  
OF THE ALKALI GRANITE  
INTRUSIONS, BLUE TIER**

DRAWN BY : A.J.C.

DRAFTSMAN: S.J.F.

DATE : Dec. 82

REVISIONS :

FILE NO

SCALE 1:80 000



FIG 17

**GOLD FIELDS EXPLORATION PTY. LIMITED**

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Soil geochemistry results obtained in an earlier programme (Roberts, 1982) confirms the geochemically unresponsive nature of the Alkali Granite in the northwest, where the level of the intrusive is low (Figure 17).

The evolution and significance to exploration of the Dg-fp granitoids is still not completely resolved, although it appears that their formation is magmatic rather than hydrothermal. Their geochemical signature as deduced by Rb/Sr ratios implies that they possess affinities to either one or the other of the two main granitoids.

The extreme Rb enrichment displayed by the Alkali Granite may be useful as an exploration tool. Along with Rb a number of other elements; F, B, Be, Ge, W, Bi, Li, Cs may be enriched in the cap granite above a greisen body where they are known to concentrate as incompatible elements. These elements could concentrate in veins and fractures emanating from a greisen body and therefore indicate its presence.

The possibilities of uneroded or buried mineralised greisen deposits at the top of the intrusion would appear to be exhausted. Domes and ridges lying on the flanks of the more geochemically anomalous areas of the main Alkali Granite body are the most promising targets. However, probably the major influence on likely target areas is topography, which excludes terrains where the land surface slope does not coincide with the slope of the Alkali Granite margins. Therefore the most prospective areas, based on geological, structural and geochemical evidence and topography are the eastern and north-eastern flanks of the Alkali Granite intrusion body (Figure 17).

## 8. RECOMMENDATIONS

Work proposed for 1983-84 comprises thirteen drill holes totalling approximately 1800m, and a lithogeochemical examination of Anchor drill core. This programme is expected to cost \$154,850. Budget details are given in Appendix 1.

The drilling programme is designed to test three areas for extensions of known mineralisation or concealed mineralisation in the major area of interest defined by this report - between the Anchor and Moon Mines. Each hole in this programme is designed to fulfil two functions - to test for mineralisation within the Alkali Granite and to locate the Alkali Granite roof contact. Even where that contact is deeper than the 100m limit of economic interest imposed on the previous reconnaissance drilling programme, drill holes should be extended to the contact as an aid to understanding the Alkali Granite's roof contact and, therefore, to the better planning of subsequent holes.

### 8.1 Moon Mine Area

Unlike the Anchor deposit, this prospect contains some relatively high grade mineralisation without a large halo of low grade stanniferous greisen. It is considered to have potential for 0.5 million tonnes or more of mineralisation similar to the intersection obtained in BT 90 (16m of 0.60%Sn). The drilling programme proposed here is designed to close off all the possible major extensions to the known mineralisation.

Five diamond drill holes are recommended, four to test for extensions of the Moon Mine mineralisation to the north and south along domal extensions, and a fifth to test for mineralisation in the embayed contact to the east. All holes have been designed to intersect the Alkali Granite approximately at right angles. Collar positions are shown on Figures 6 and 7. Hole depths have been left unspecified as the Alkali Granite is commonly strongly greisenised even when non-stanniferous in this area, and the mineralised zones occur at irregular

depths below the Alkali Granite roof contact.

### 8.2 North Anchor Area

The two greisen intersections obtained in this area in 1982 are interpreted as the sub-grade margin of a potentially large Anchor-style greisen body with a high grade cap (similar to "A Lens" within the Anchor). The drilling programme is designed to ensure that every possibility for an elongate stanniferous greisen body of the size and shape of the Anchor deposit is closed off.

Six vertical diamond drill holes are recommended, in a radiating pattern around BT 163 and BT 165. Target positions are shown on Figure 8: all are 150m apart and 150m north, south or east of BT 163 or BT 165. The area south of these two holes is considered too restrictive in size to contain a large tonnage body in a domal or ridge structure.

Private land tenure is indicated on Figure 8. To avoid any problems with private land holders in this area it is proposed that all hole collars are placed outside the private land and the drill holes angled appropriately, where necessary, to intersect their targets.

### 8.3 Lottah Tunnels Area (Figure 8)

The Lottah Tunnels were developed into cassiterite-bearing greisen veins within the Poimena Adamellite, which may reflect the presence of an underlying Alkali Granite cupola. One hole is proposed to test this possibility oriented at 080 with  $-75^{\circ}$  dip. An angle hole is preferred here to avoid the possibility of drilling down a vertical greisen vein with the consequent difficulty of determining the Alkali Granite contact.

A second drill hole is recommended for this general area to test for possible flank/ridge greisen bodies. The collar position should finally be determined after the first Lottah Tunnels hole and the North Anchor holes are completed, when the Alkali Granite roof contact

geometry is better understood. However a vertical hole is tentatively proposed, situated in the Ransome River (i.e. in a position of maximum topographic favourability) near grid line 72N. It is clear that one hole in such a large area can only be a "wildcat". However, even if no greisen is intersected, the points obtained on the Alkali Granite roof contact by this and the first Lottah Tunnels hole should effectively define the potential for shallow concealed Anchor-style bodies between the Moon and Anchor Mines.

#### 8.4 Geochemistry

Recent work by N. Higgins of the University of Tasmania has shown that the Poimena Adamellite directly overlying the Anchor deposit may be enriched in Rb and other lithophilic elements compared with Poimena Adamellite elsewhere on the Blue Tier. The limited trace element analytical work carried out earlier on Anchor drill core (see Appendix 6, Roberts 1982) has not established the validity of this idea so a more wide-ranging analytical programme is necessary. Obviously the existence of such an enriched halo could be very valuable in defining target areas for future drilling. Therefore a comprehensive trace element litho-geochemical programme is proposed using drill core and rock chip samples from the Anchor Mine area, to test for possible indicator elements enriched in the Poimena Adamellite which previously emanated from underlying greisenised Alkali Granite.

Trace element geochemistry is currently being carried out on Anchor Mine drill core at the University of Tasmania. It is probable that this idea will be tested by that work to some extent (N. Higgins, pers. comm.), so a duplication of results should be avoided.

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**MICROFILMED**EXPENDITURE

(Regional Exploration Program, 1982)

<u>GEOLOGY</u>	\$
- Salaries	13,378
- Salary on costs	2,178
- Transport	9
- Miscellaneous	5,821
- Outside Contractors	1,279
- Travel	3,486
- Stores	657
<u>GEOCHEMISTRY</u>	
- Assays	164
- Stores	475
<u>DRILLING</u>	
- Outside contractors	83,542
- Stores	3,761
<u>SITE PREPARATION</u>	
- Outside contractors	6,340
<u>SURVEYING</u>	
- Travel	264
INDIRECT MOTOR VEHICLE EXPENSES	<u>2,747</u>
	<u>124,110</u>

PROPOSED BUDGETGEOLOGY

- Salaries	14,500
- Salaries on costs	4,350
- Miscellaneous	2,000
- Outside contractors	2,000
- Travel	4,000
- Stores	1,500

GEOCHEMISTRY

- Assays	5,000
----------	-------

DRILLING

- Outside contractors	108,000
- Stores	4,000

SITE PREPARATION

- Outside contractors	4,500
-----------------------	-------

SURVEYING

- Outside contractors	2,000
- Travel	500

## INDIRECT MOTOR VEHICLE EXPENSES

<u>2,500</u>
<u>154,850</u>

**APPENDIX 1**

**Expenditure during 1982 (Regional Programme)  
Proposed Budget for 1983-84 programme.**

**APPENDIX 2**

**Trace element geochemistry of  
rock chip samples (Dg-a and Dg-fp)**

APPENDIX 2

Geochemistry of Dg-a and Dg-fp granites from E.L. 9/76.

All Dg-fp samples have been examined petrographically (Appendix 3)

SAMPLE NO.	ROCK TYPE	ASSAY (All ppm)									
		Sn	WO <sub>3</sub>	Rb	Sr	Li	Cu	Zn	Mass(g)	Rb/Sr	
1602	Dg-fp,mildly greisened.	75	30	450	55	35	400	45	637	8.2	
1604	Dg-fp, moderately greisened.	75	10	730	10	120	260	30	346	73	
1606	Dg-fp, moderately greisened.	40	20	660	15	65	220	25	367	44	
1608	Dg-fp, mildly greisened.	50	20	440	10	20	80	5	115	44	
1610	Dg-fp, mildly greisened.	40	20	615	10	35	140	50	571	61.5	
1612	Dg-fp, very mildly greisened.	20	10	460	15	25	55	10	195	30.7	
1614	Dg-fp, weakly greisened.	35	20	395	50	35	85	65	488	7.9	
1616	Dg-a,	40	30				50	65	234		
1618	Dg-a,	40	20				60	15	237		
1620	Dg-a, greisened.	210	20				30	45	760		
1622	Dg-a	120	40				15	45	260		
1624	Dg-a	150	30				20	55	205		
1626	Dg-a	350	10				30	10	345		
1628	Dg-a	220	15				35	95	267		
1630	Dg-a, greisened.	40	10				90	30	182		
1632	Dg-a, greisened.	85	40				150	40	427		
1634	Dg-a, greisened.	200	20				140	40	212		
1636	Dg-a,	100	20				40	50	169		
1638	Dg-a,	155	20				80	70	306		
1640	Dg-a,	80	25				130	50	415		
1646	Dg-fp,Mildly greisened.	10	10	280	70	65	10	50	976	5.4	
1648	Dg-fp,Mildly greisened.	60	10	415	70	35	10	30	366	5.9	
1650	Dg-a, Moderately strong greisened.	1190	20				30	90	1421		
1652	Dg-a,	90	30				10	50	1344		
1654	Dg-a,	80	40				10	40	983		
1656	Dg-a	70	20				10	50	671		
1658	Dg-a	160	40				10	40	301		
1660	Dg-fp, Moderately greisened.	30	<10	410	65	30	30	10	868	6.6	
1662	Dg-fp, Weakly greisend.	20	<10	375	80	35	40	50	1020	4.7	
1664	Dg-fp, Mildly greisened.	10	10	455	15	20	40	10	1190	30.3	
1668	Dg-a, Greisened.	70	30	1640	15	530	100	60	366	72.9	
1670	Dg-a,	70	20				20	70	734		
1672	Dg-a,	50	30				10	50	1862		
1674	Dg-a,	130	30				30	10	1064		
1676	Dg-fp, Moderately greisened.	30	<10	475	70	30	30	<10	900	6.8	
1678	Dg-a,	60	60				20	40	409		
1680	Dg-a,	40	15				20	70			
1682	Dg-a,	40	15				10	30			
1684	Dg-a,	40	35				20	50			
1686	Dg-a,	40	20	910	20	205	<10	30		45.5	
1687	Dg-a,	55	25				<10	10	115		
1688	Dg-a,	30	10	680	10	150	<10	50		68.0	
1690	Dg-a,	30	15				<10	40	1627		
1692	Dg-a,	50	20				10	70	1009		

**APPENDIX 3**

**Central Mineralogical Services Reports on:**

**Drill core samples (BT 146 and 147).**

**Dg-fp granitoids.**

Dg-fp petrographic sample numbers and corresponding analysis numbers.

<u>Petrographic</u>	<u>Analysis</u>
1601	1602
1603	1604
1605	1606
1607	1608
1609	1610
1611	1612
1613	1614
1645	1646
1647	1648
1659	1660
1661	1662
1663	1664
1665	--
1667	1668
1675	1676

REPORT CMS 82/7/36

Three samples of drill core, representing Blue Tier area granitoids, were received for petrological examination and comment. Representative thin-sections were prepared and examined together with stained offcuts.

Summary

Three granitic rock types are represented as follows:

DDH-BT/146-83.7 m. An even-grained alkali granite with primary Ti-biotite and accessory andalusite. This rock is moderately and rather complexly altered in an essentially greisenizing style. In comparison with the underlying phase (93.35 m), this granite is slightly relatively sodic and biotite-deficient. It may well represent a marginal (or indeed local) slightly felsic variant.

DDH-BT/146-93.35 m. A moderately greisenized porphyritic biotite adamellite, contrasting with 83.7 m in the presence of feldspar phenocrysts, relative abundance of Ti-biotite and in plagioclase composition (oligoclase, as against albite). This phase is consistent with the Poimena Adamellite. As noted, the 83.7 m sample may represent a felsic, even-grained variant.

DDH-BT/147-87.4 m. A weakly quartz-porphyritic alkali granite with primary pale phlogopite, topaz, and unaltered. This phase contrasts with the BT/146 specimens texturally and compositionally. Albite is nearly pure, the pale phlogopite is distinctive (and similarly the topaz) and, in general, this phase is of "mineralising" character with affinities to the albitic (sodic) differentiates (granites, aplites, etc.) previously described from the Anchor Mine area.

D. Cowan, B. Sc.

Petrological DescriptionsDDH-BT/146 - 83.7 m (T.S. 42958)

This rock is a moderately greisenized alkali granite, sodi-potassic and carrying accessory titaniferous biotite.

Major mineralogy comprises quartz, orthoclase-microperthite and weakly but pervasively sericite-stained albite in near-equant proportions. Disseminated biotite flakes are extensively pseudomorphed by semi-sericitic muscovite. There are thinly disseminated clusters (to 2 mm) of andalusite, variably pseudomorphed by fine-grained white mica. Trace accessory components include cloudy monazite, rare magnetite and rare microscopic zircons. The fabric is incipiently orthoclase-porphyritic, even-grained, granitic (mean 1.2 mm).

This rock exhibits minor zones of late- or early post-magmatic albitisation, as crude veinlets and locally orthoclase-replacive patches. The albite predates the mild pneumatolytic (greisenizing) muscovitisation which is reflected in alteration of the primary albite, biotite, andalusite and, in addition, as sporadic discontinuous muscovite veinlets with accessory fluorite, rare schorl, and minor traces of (secondary) orthoclase.

DDH-BT/146 - 93.35 m (T.S. 42959)

This is a relatively biotitic, weakly porphyritic granitoid and can be classified as a biotite adamellite. Apart from relative abundance of biotite, the main contrast with the previous specimen is the plagioclase composition (oligoclase, about An<sub>20</sub>) and the presence of sporadic feldspar (plagioclase and orthoclase) phenocrysts, and traces of apatite.

This rock is moderately greisenized. Oligoclase is weakly but pervasively stained with very fine to semi-sericitic muscovite. Biotite is variably replaced by semi-pseudomorphous aggregates of white mica, pale green phlogopite, locally chlorite, or very rarely brown schorl. There is very minor development of ?late-magmatic albite, predating sporadic crude veinlets of muscovite.

DDH-BT/147 - 87.4 m (T.S. 42960)

This is an unaltered alkali granite or, strictly, a microgranite. The rock is weakly porphyritic in quartz, uneven-grained, granitic-textured, and overall medium- rather than coarse-grained.

Mineralogy comprises quartz and albite with slightly subordinate, incipiently microperthitic orthoclase, disseminated near-colourless phlogopite, and disseminated (primary) topaz. Alteration is entirely restricted to incipient sericitisation of the albite exsolution films in orthoclase, and development of rare vugs of kaolin. This rock can be contrasted, compositionally and texturally, with the DDH-BT/146 phases.

D. Cowan, B. Sc.

REPORT CMS 82/8/5

Seven rock samples of Anchor area granitoids were received for petrological examination, and results are compiled in the attached table. Descriptions incorporate data from K-feldspar staining tests, stereobinocular and petrological microscopic examination of representative thin-sections and offcuts, and include interpretative comments.

Summary

This suite exhibits limited compositional variations. With only minor exceptions, the rocks are alkali granitic and broadly of differentiated adamellite character. All are biotitic, but alteration of biotite denies optical comparison with previously described Anchor "granites". A few carry late magmatic muscovite (as distinct from pervasive pneumatolytic greisenizing white mica), and individual rocks may exhibit relative concentrations of accessory apatite or zircon. Overall, however, variations are rather limited and within the normal range for a differentiated granitoid.

The bulk of this suite exhibits fabrics consistent with relatively small-scale intrusives. Several of the rocks are porphyritic, approximately half are granophyric (or micropegmatitic) and others trend towards aplitic grain sizings. Even the coarser-grained types tend to be uneven-grained, thus inconsistent with major intrusive bodies. These considerations suggest the suite as a whole is representative of minor or local variations in a biotitic adamellite to alkali granitic complex. As such, they apparently represent variants of the Polmena Adamellite. Significantly, the paler (albitic, phlogopitic) "mineralising" alkali granitic phase is not represented, at least within the limits imposed by alteration. Topaz and schorl-bearing phases are similarly absent, although one rock (1607) includes extremely rare cassiterite of primary character.

D. Cowan, B. Sc.

Sample No.	Classification - Composition	Fabric	Accessories	Central Mineralogical Services Comments
1601 (T.S. 43059)	Alkali microgranite. Quartz, incipiently sericitised orthoclase and variably sericitised/muscovitised albite in near-equant proportions. Disseminated flakes, clusters of degraded (weathered) biotite.	Incipiently banded/directed, medium-grained, granitic (mean 500 $\mu$ ).	Conspicuous apatite, sparse leucoxenised opaques.	Weakly compositionally, texturally (grainsizing) biotitic alkali microgranite. Moderately greisenized. Biotite evidently partly phlogopitised, but finer detail obscured by biotite-deficient weathering.
1603	Alkali Granite. Orthoclase-perthite, albite and quartz with very thinly disseminated muscovitised biotite, pervasive fine muscovite stainings of albite and perthite.	Weakly (quartz, albite orthoclase) porphyritic, uneven-grained, granitic. Incipiently microfractured.	Minor traces apatite, rare leucoxenised/oxidised opaques, zircon.	alkali granite, moderately greisenized (muscovitised). Semi-characterised by paucity of biotite, the relative ly coarsely perthitic orthoclase and uneven fabric.
1605	Granophyre. Quartz, weakly muscovite-stained albite and incipiently muscovite-stained orthoclase-microperthite in near-equant proportions; disseminated muscovitised biotite flakes.	Porphyritic (orthoclase, minor quartz phenocrysts) with aplitic to micrographic (granophyric) groundmass.	Disseminated very fine semi-metamict zircons, rare apatite.	Aplitic to granophyric, porphyritic alkali microgranite, moderately greisenized (sim. 1601, 1603). Compositionally very similar to 1601, semi-characterised by zircons, fabric
1607	Alkali microgranite. Orthoclase-microperthite, quartz, slightly subordinate weakly sericite-stained albite with thinly disseminated sericitised biotite; (primary) muscovite flakes.	Weakly orthoclase-porphyritic, uneven-grained, granitic to graphic granitic. Minor vugs of quartz.	Rare cassiterite (50-150 $\mu$ inclusions in feldspar). Sparse discontinuous secondary muscovite veinlets.	Relatively potassic muscovite-biotite alkali microgranite. Could grade into graphic granite or pegmatite. Cassiterite is primary. Only mildly altered (greisenized).
1609	Alkali microgranite. Weakly sericite-stained albite, slightly subordinate quartz and orthoclase-microperthite. Relatively conspicuous sericitised/siderite-stained/ferruginised biotite flakes.	Orthoclase and weakly quartz-porphyritic with a medium-grained, granitic to granophyric groundmass.	Thinly disseminated semi-metamict zircons. Minor clots secondary muscovite with rare fluorite.	Relatively sodic biotitic alkali microgranite. Textural affinities with 1605 (1607), but coarser-grained. Siderite degraded to limonite.
1611	Microadamellite. Weakly sericite-stained oligoclase (near albite), slightly subordinate quartz and orthoclase, disseminated muscovite and minor muscovitised biotite flakes.	Even-, medium-grained, granitic (trend aplitic).	Rare zircons, minor clots secondary muscovite.	Mica microadamellite verging on alkali microgranite. Very mildly greisenized. Typical minor intrusive characteristics.
1613 (T.S. 43065)	Alkali Granite. Quartz, variably muscovitised albite (near oligoclase) and similarly altered orthoclase in near-equant proportions with disseminated muscovite-vermiculite-pseudomorphed biotite flakes.	Uneven-grained, granitic, trend medium-grained.	Traces apatite, very rare zircons.	Relatively greisenized alkali granite verging on a (biotite) adamellite. Vermiculite apparently a weathering product of biotite-replacive phlogopite.

657037

REPORT CMS 82/8/28

Two additional samples of "Blue Tier" granitoids were received for petrological examination, and results are summarised in the attached table. Both rocks can be classified as adamellitic and mildly greisened. Sample 1645 is a medium-grained type with minor late-magmatic muscovite in addition to (primary) biotite. In comparison, 1647 is coarser-grained, and slightly relatively greisened with pneumatolytic muscovite and traces of biotite-replacive schorl.

D. Cowan, B. Sc.

Sample No.	Classification - Composition	Fabric	Accessories	Central Mineralogical Services Comments
1645 (T.S. 43238)	Mica Micro-adamellite. Orthoclase-micro-perthite and quartz with slightly subordinate semi-sericitic muscovite-stained oligoclase, disseminated variably chloritised biotite, poikilitic muscovite.	Incipiently (ortho-clase-oligoclase) porphyritic, medium-grained, granitic (mean 600 $\mu$ ).	Rare magnetite, zircon, apatite. Sparse orthoclase-albite micro-veinlets. Sparse vermiculite (after	Mildly greisenized mica micro-adamellite, typical apart from disseminated late-magmatic poikilitic muscovite flakes. Vermiculite reflects mild weathering of
1647 (T.S. 43239)	Biotite-Adamellite. Incipiently micro-perthitic orthoclase, quartz and moderately sericite-stained oligoclase in near-equant proportions with disseminated weathered biotite, sporadic clots, crude veinlets muscovite.	Weakly (quartz-oligoclase) porphyritic, granitic (mean 1.2 mm)	Rare biotite). magnetite, apatite, zircon. Rare secondary schorl (after biotite)	Mildly greisenized biotite. biotite adamellite. In contrast to 1645, muscovite is pneumatolytic i veinlets and mildly replacive of biotite (and oligoclase, perthite films in orthoclase).

657039

REPORT CMS 82/9/3

A further six samples of Blue Tier granitoids were received for petrological examination, and results are summarised in the attached table.

Five rocks (1659, 1661, 1663, 1665 and 1675) can be classified as biotite adamellites. These exhibit fairly consistent mineralogy, confused to some degree, mesoscopically, by concentrations of pneumatolytic muscovite. However, in common with previously described adamellites, textures are variable, ranging from porphyritic to even- and uneven-grained, although consistently granitic.

The sixth rock (1667) is a typical alkali granite of "mineralising" character. This phase carries accessory (primary) topaz and traces of cassiterite in addition to traces of a degraded (metamict, rutillated) phase, conceivably one of the complex oxides or tantalates.

D. Cowan, B. Sc.

Sample No.	Classification - Composition	Fabric	Accessories	Central Mineralogical Services Comments
1659 (T.S. 43474)	<u>Greibened Micro-adamellite.</u> Orthoclase, pervasively sericite-stained oligoclase, quartz in near-equant proportions with disseminated variably muscovitised biotite, frequent clots, aggregates, crude films of muscovite.	Weakly (orthoclase-quartz) porphyritic, medium-, uneven-grained, granitic (mean 500 $\mu$ ).	Rare zircons, oxidised magnetite.	Weakly porphyritic biotite micro-adamellite; moderately muscovitised/sericitised (greibened), but unmineralised.
1661	<u>Biotite Micro-adamellite.</u> Orthoclase and quartz with slightly subordinate, moderately sericite-stained oligoclase, disseminated mildly chloritised Ti-biotite, disseminated poikilitic muscovite.	Closely analogous to 1659, but finer-grained.	Rare zircons, trace oxidised magnetite.	Close affinities with 1659, similarly, but slightly relatively less altered.
1663	<u>Biotite Adamellite.</u> Orthoclase, quartz and weakly sericite-stained oligoclase with minor muscovitised biotite and unaltered, late-magmatic albite. Disseminated clots of muscovite.	Even-grained, granitic (mean 800 $\mu$ ).	Rare zircons.	Mildly greibened, biotite-deficient adamellite (strictly, micro-adamellite) with late-magmatic albite. Essentially a transitional phase; adamellitic trending to
1665	<u>Biotite Micro-adamellite.</u> Orthoclase-micro-perthite, weakly sericitised oligoclase, slightly subordinate quartz, relatively conspicuous biotite. Minor clots, films of hydromuscovite.	Quartz- and oligoclase-porphyritic, medium-grained, granitic.	Rare zircons, apatite, traces of late-magmatic schorl.	Mildly greibened alkali granitic. porphyritic micro-adamellite, relatively biotite-rich and with traces of primary schorl.
1667	<u>Alkali Granite.</u> Orthoclase, albite and quartz in near-equant proportions with disseminated flakes, clusters of pale phlogopite, thinly disseminated weakly sericitised topaz.	Uneven-grained, granitic.	Thinly disseminated zircon, minor traces cassiterite, metamict monazite, rutiled ?tantarate, schorl.	Typical topaz-bearing alkali granite with characteristic pale phlogopite. Cassiterite is primary as 25-100 $\mu$ particles and "needle tin" inclusions in mica, feldspar.
1675 (T.S. 43479)	<u>Biotite Micro-adamellite.</u> Orthoclase, quartz and variably sericite-stained to muscovitised oligoclase with disseminated muscovitised to sericitised biotite.	Uneven-medium-grained, granitic.	Relatively conspicuous very fine apatite, very rare zircons.	Moderately greibened biotite micro-adamellite with affinities to e.g. 1661, 1659, but non-porphyritic.

657041

APPENDIX 4

Diamond Drill Hole Logs and Profiles.

BT 90, 95, 112-114 (Moon Mine Area)

includes:

1. Field Notes
2. BT 146-180

See Vol 2

Symbols and abbreviations used in drill hole plots:

Poimena Adamellite and Dg-fp.

†  
†

Weathered Poimena Adamellite and Dg-fp.

†  
†

Alkali Granite.

+  
+

Greisened Alkali Granite.

+  
+

Pegmatite.

||||

# RENISON LIMITED - DRILL CORE RECORD

657044

HOLE NUMBER	BT 90	SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
		Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total
PURPOSE	To test for tin mineralization beneath the old Moon Workings	5m	(inside casing)	45°	0 - 2.5	2.5	1.76	731.24	1.76	1.76
		20m	055° mag	45°	— 12.5	10.0	7.07	724.17	7.07	8.83
		62m	040° mag	45°	— 41.0	28.5	20.15	704.02	20.15	28.98
LOCATION	Moon Workings near Poimena	122m	041.5° mag	44°	— 92.0	51.0	35.42	668.6	36.68	65.66
		182m	043° mag	43°	— 182.0	90.0	61.37	607.23	65.82	131.48
COLLAR R.L.	733.1 m									
CO-ORDINATES	8493.0 m N ; 4257.8 m E.									
LENGTH	182.0m									
HOLE SIZE	0 - 18m N.Q. 18 - 182m B.Q.									
DATE DRILLED	19.6.80 - 27.6.80									
SIGNIFICANT CORE LOSS ZONES										
ORE ZONE GROUND CONDITIONS										
LOGGED BY	LINDA MARTIN									
COMMENTS	"High grade" tin mineralisation, as cassiterite, developed well away from adamellite contact. (AFR).									

### SUMMARY - ASSAY DATA

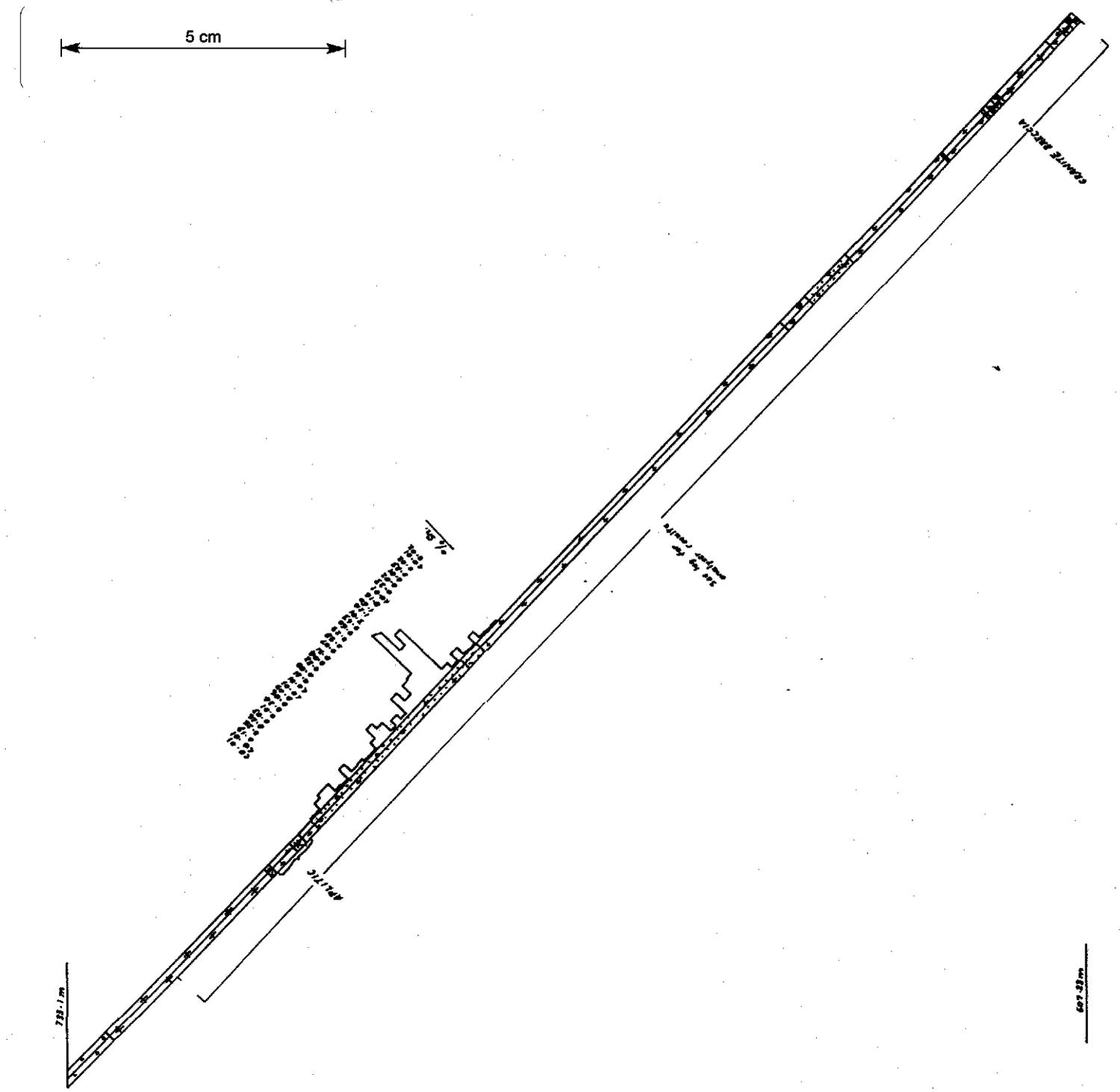
LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS												B.C.A.
				Sn. %	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO <sub>3</sub>	Ag g/t			
	46.0	49.0	3m	0.23												
	56.0	59.0	3m	0.34												
	62.0	66.0	4m	0.52												
	66.0	69.0	3m	1.71												

30-4511P  
N-3-2040

5 cm

30-4511P  
N-3-2040

722.1 m



657045







INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% Fe	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
158.02	158.28	0.26	100	<u>FELDSPAR ROCK</u> : Fine grained, creamy pink with some dark green biotite spots, light green muscovite and very minor medium grained quartz. Gradational boundaries.		44	45			0.02	0.9					
						45	46			0.02	1.0					
						46	47			0.03	2.1					
158.28	165.31	7.03	100	<u>LOTTAH GRANITE</u> : Fine grained, light pinkish grey, very slightly altered with light pink feldspars, medium green mica spots and "clots". Dark green altered zone at 164.7m - 165.2m.		47	48			0.03	3.0					
						48	49			0.03	2.6					
						49	50			0.02	1.3					
165.31	165.52	0.21	100	<u>POIMENA GRANITE</u> : Coarse grained, porphyritic, greenish-pink with feldspars and micas altered to light green clays. Sharp boundaries at 65°, with a concentration of black biotite where the fine grained lottah granite has reacted with the coarse grained Poimena granite.		50	51			0.03	1.5					
						51	52			0.03	1.9					
						52	53			0.03	1.5					
						53	54			0.03	1.9					
						54	55			0.03	0.9					
165.52	166.22	0.74	100	<u>LOTTAH GRANITE</u> : Fine grained, similar to unit at 158.28 - 165.31 but with minor fragments of very coarse quartz, feldspar and pegmatite.		55	56			0.03	1.4					
						56	57			0.03	3.0					
						57	58			0.02	2.1					
166.22	167.15	0.93	100	<u>POIMENA GRANITE</u> : 166.22 - 166.36 : Dark grey porphyritic with concentration of black biotite near boundary with lottah granite. Upper boundary sharp at 60°, then grades into below unit. 166.36 - 166.63 : As above but micas and some feldspar are altered to light green clays. 166.63 - 166.87 : As above but micas are fresh and black. 166.87 - 167.11 : Micas and some feldspar altered to light green clays. 167.11 - 167.15 : Similar to 166.22 - 166.36. Lower boundary sharp at 55°.		58	59			0.03	1.8					
						59	60			0.02	1.6					
						60	61			0.02	2.0					
						61	62			0.04	1.3					
						62	63			0.02	1.2					
						63	64			0.04	1.0					
						64	65			0.03	1.1					
						65	66			0.02	0.8					
						66	67			0.03	1.3					
						67	68			0.03	0.9					
						68	69			0.02	1.1					
167.15	168.48	1.33	100	<u>GRANITE BRECCIA</u> : Mixture large fragments of coarse grained Poimena granite and very minor dark grey aplite in fine grained altered light green lottah granite. Concentrations of black biotite occur in the coarse grained granite at the boundaries with the fine grained granite, for several centimetres. Lower boundary sub-horizontal.		69	70			0.02	1.0					
						70	71			0.02	1.6					
						71	72			0.03	2.0					
						72	73			0.02	1.1					
						73	74			0.03	0.7					
168.48	177.35	8.87	100	<u>POIMENA GRANITE</u> : Coarse grained, dark grey, porphyritic with large pink feldspars. First 25cm and last 10cm of core, is light pink with altered light green and light pink feldspar, light green to yellow altered biotite and grey quartz. Lower boundary sharp at 45° with a concentration, of black biotite and grey quartz. 168.8 - 169.25 : Greisenized fine grained granite, light greenish grey, sugary textured. Upper boundary sharp at 40°; lower boundary irregular and marked by a mixture of patches of coarse grained granite and greisenized fine grained granite. Black biotite is concentrated in the coarse grained granite at the boundary and feldspars are pinked for 20-30cm. Near lower boundary occur irregular patches of fine grained light grey greisenized fine grained granite with flakes of brown biotite.		74	75			0.02	0.5					
						75	76			0.03	0.3					
						76	77			0.02	0.9					
						77	77.8			0.01	0.7					

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
				169.74 - 169.89m : Aplite vein, fine grained light grey to cream, 4cm wide at 35°. Sharp boundaries with black biotite concentration in coarse grained granite.												
				177.10 - 177.20m : Pegmatite vein of coarse grained light green mica. The vein is 3cm wide at 35° with diffuse boundaries.												
177.35	179.48	2.13	100	LOTTAH GRANITE : 177.35 - 177.75 : Fine grained light pinkish-grey with fresh black biotite and fresh light green muscovite; grading to: 177.75 - 179.40 : Medium green core with altered medium green micas; grades to: 179.40 - 179.48m : Dark green, rich in altered green mica.												
179.48	180.75	1.27	100	POJIMENA GRANITE : 179.48 - 179.5m : Baked, altered and recrystallized granite at contact with lottah granite. Rock is fine grained, dark grey rich in biotite and dark grey quartz. Upper boundary is sharp and at 45°. 179.5 - 180.75 : Coarse grained, medium grey porphyritic with pink feldspar porphyroblasts. Altered for first 30cm and last 20cm to light pink rock with micas and some of the groundmass feldspars now light green and clayey. Sharp lower boundary at 10°.												
180.75	181.38	0.63	100	GREISEN : Very fine grained, medium grey, "sugary" textured with grey to black flakes of biotite. Sharp lower boundary at 35°.												
181.38	182.0	0.62	100	LOTTAH GRANITE : Fine grained, grey-green, slightly altered.												
				END OF HOLE.												

657050

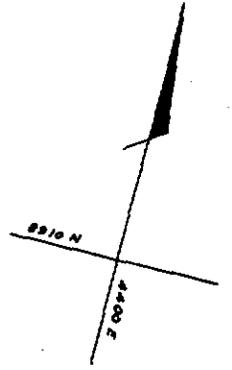
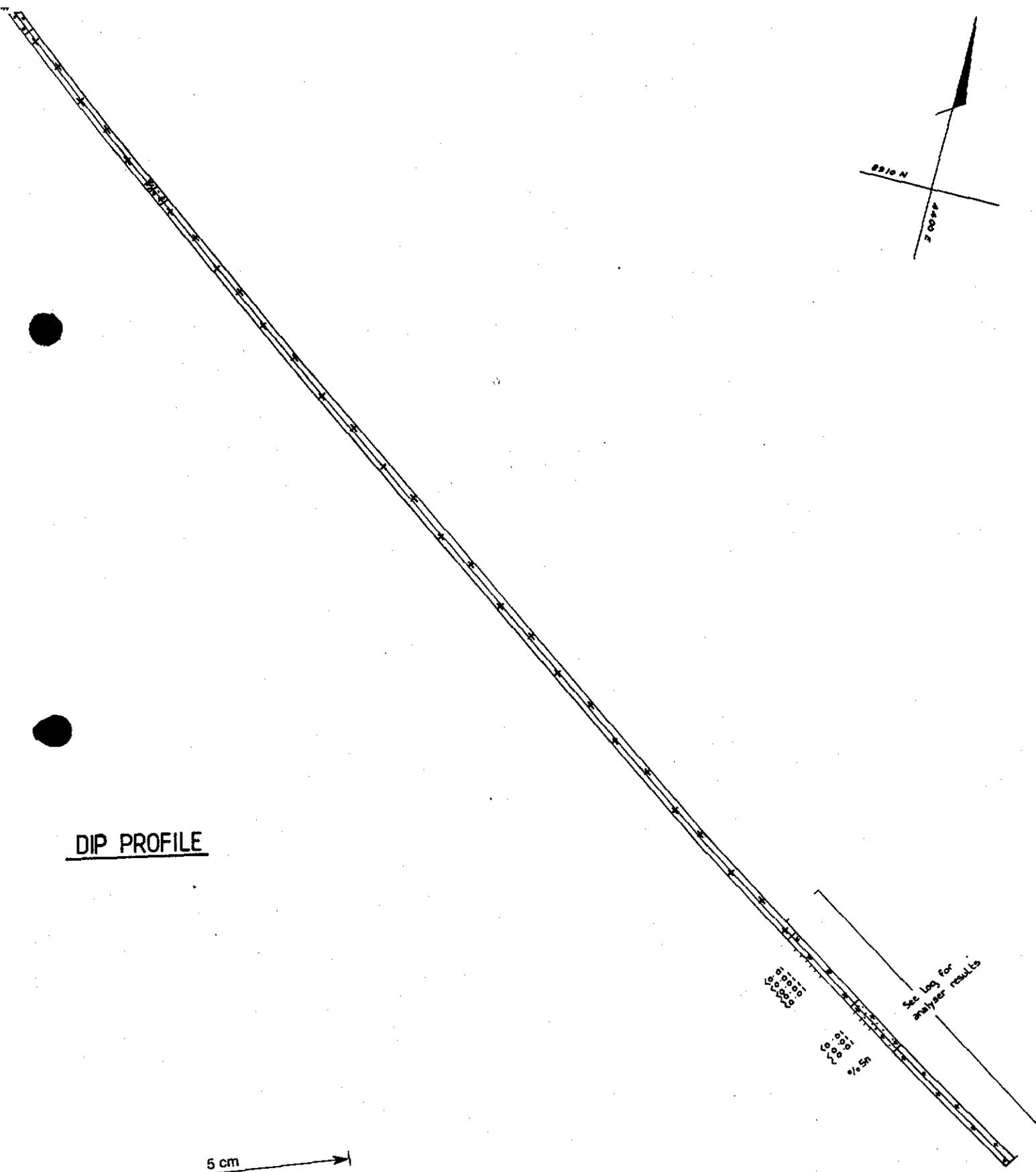
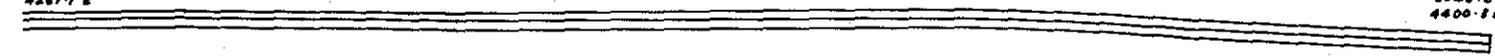


PLAN

657052

8912-D N  
4267-E

8946-D N  
4400-E



DIP PROFILE

8912-D N  
4267-E

8946-D N  
4400-E

See log for  
analyser results

5 cm





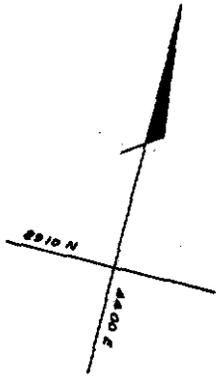
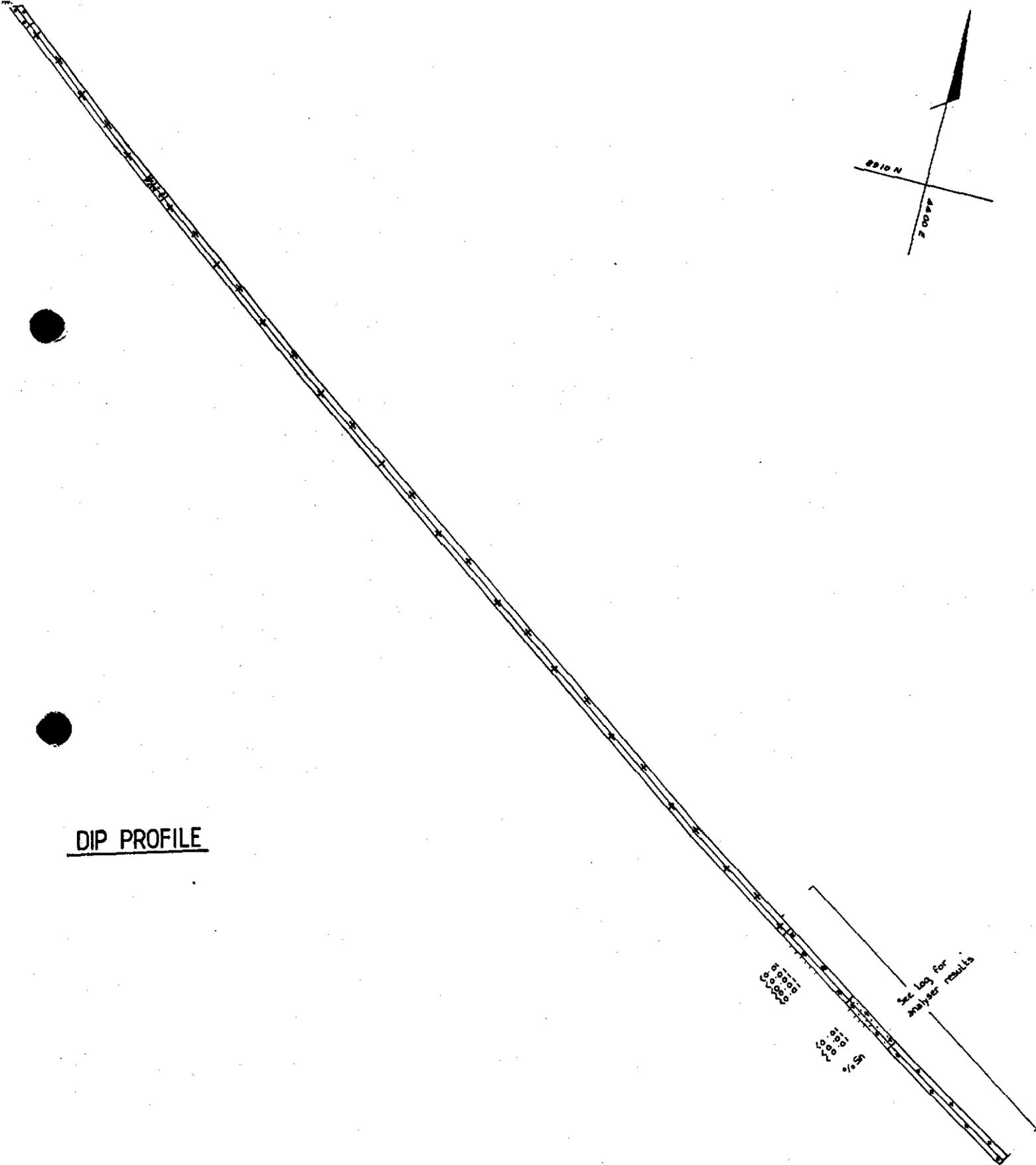
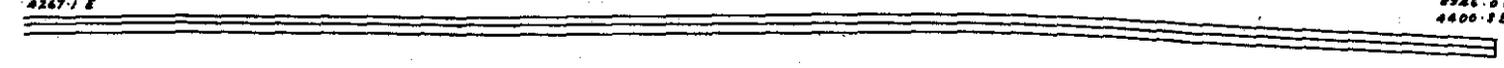


PLAN

657056

8913.9 N  
4267.1 E

8946.0 N  
4400.7 E



DIP PROFILE

10  
15  
20  
25  
30  
35  
40  
45  
50  
55  
60  
65  
70  
75  
80  
85  
90  
95  
100

See log for  
analyser results

5 cm



INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
48.8	49.7	0.9	100	Clayey, chloritic PA. Broken core		110	111	<0.01								
							112	"								
49.7	55.9	6.2	100	Fresh blue grey P.A. Minor pinkening.			113	"								
							114	"								
55.9	58.0	2.1	100	Weakly argillised, mainly fresh PA.			115	"								
							116	"								
58.0	59.0	1.0	100	Fresh blue grey PA.			117	"								
							118	"								
59.0	60.2	1.2	100	White slightly weathered PA.			119	"								
							120	"								
60.2	67.0	6.8	100	Dark grey, minor white, fresh to slightly weathered PA. Little pinkening.			121	"								
							122	"								
							123	"								
67.0	67.2	0.2	100	White, pink very weathered or argillised PA. Sharp contact.			124	"								
							125	"								
				CONTACT AT 67.2m			126	"								
							127	"								
67.2	68.75	1.55	100	Alkali granite - weak alteration. White to pale green equigranular granite with green muscovite and minor black biotite.			128	"								
							129	"								
							130	"								
68.75	68.85	0.10	100	Pegmatite band.			131	"								
							132	"								
68.85	70.0	1.15	100	Pale green-white alkali granite - weak greisen (green muscovite). Minor rare pegmatite bands up to 2cm wide.			133	"								
							134	"								
							135	"								
70.0	71.1	1.1	100	Broken zone of granite - weak sericite greisen. Black weathered manganese or iron oxides.			136	"								
							137	"								
							138	"								
71.1	72.4	1.3	100	Zone of orange brown limonite stained alkali granite - weak muscovite greisen.			139	"								
							140	"								
							141	"								
72.4	75.5	3.1	100	White to cream granite - weak greisen with disseminated dark phlogopite, 5cm wide albite? vein at 74m at 45° CA. Minor darker zones present.			142	"								
							143	"								
							144	"								
							145	"								
75.5	80.2	4.7	100	Alkali granite-weak greisen with brownish zones of weak limonitic staining.			146	"								
80.2	82.9	2.7	100	White cream alkali granite - weak greisen. Weak disseminated dark phlogopite and weak sericitisation. 10cm pegmatite segregation at 82.8m.												

Assays by Mines Department, Launceston





SCALE

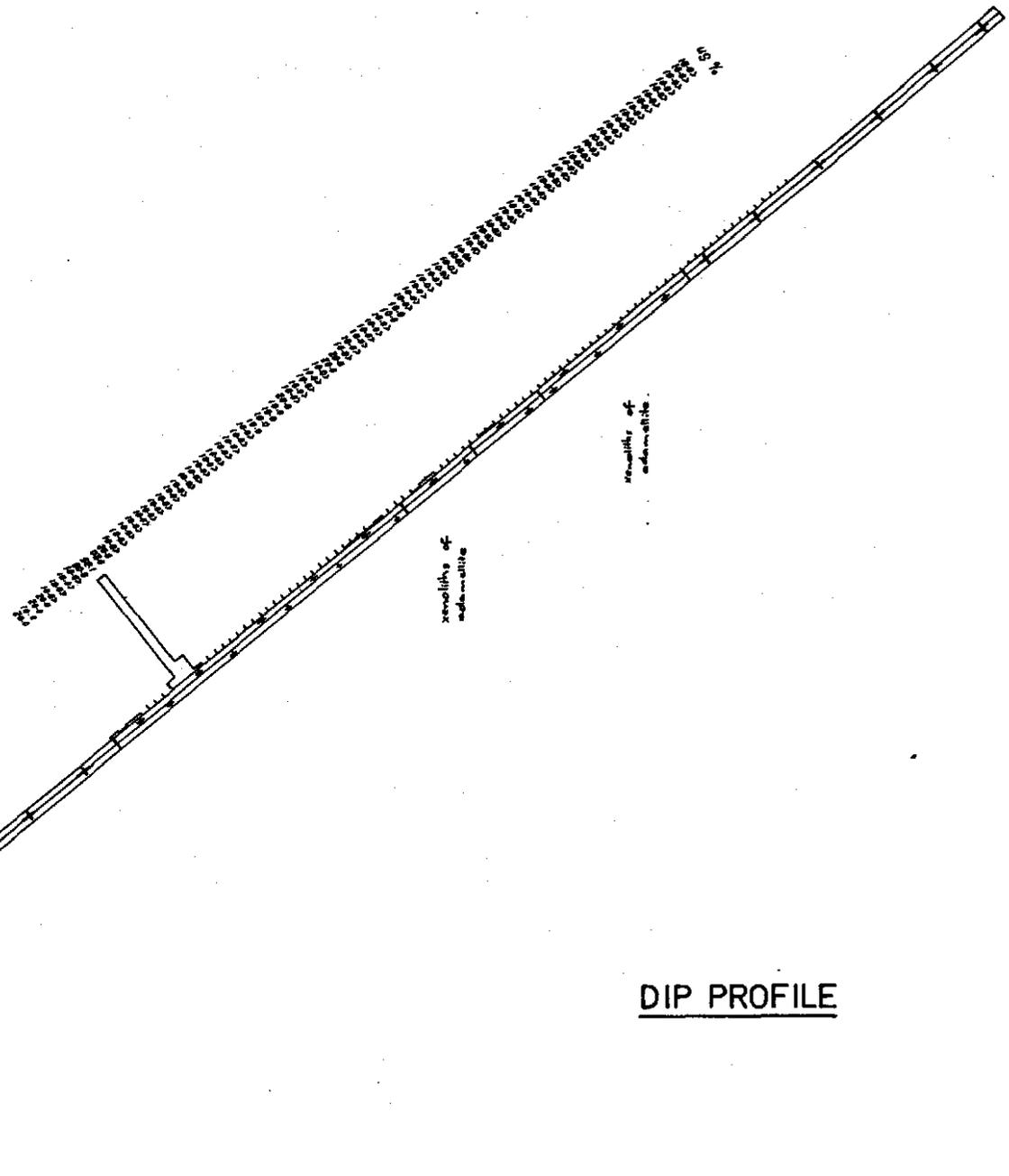
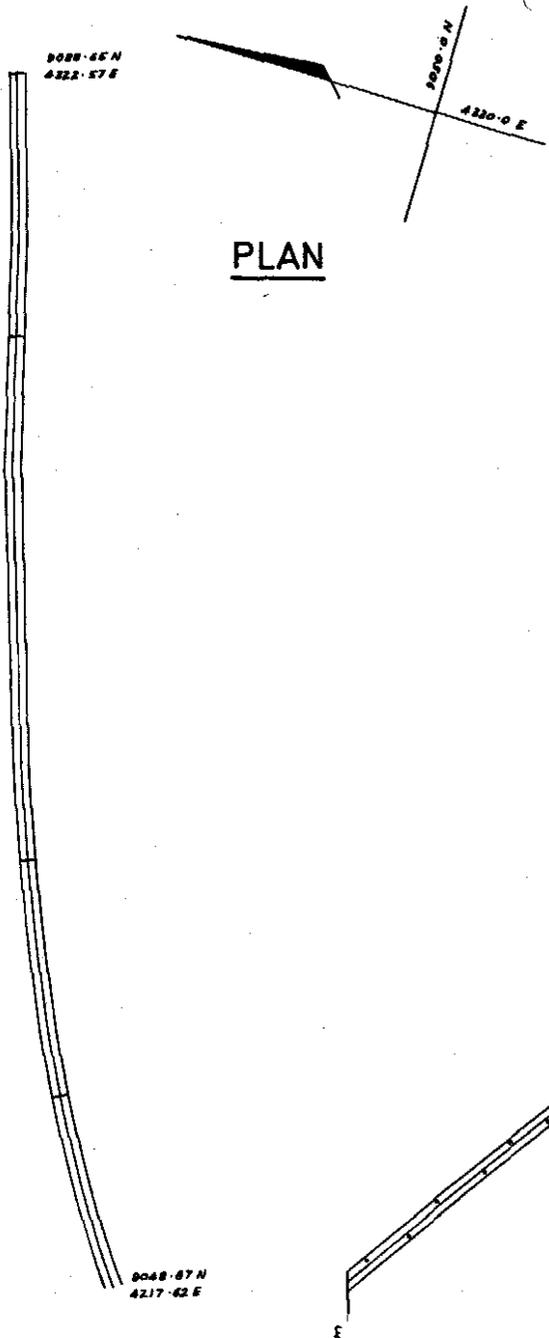


# DIAMOND DRILL HOLE PLOT

601.79 m

5 cm

PLAN



DIP PROFILE

657061









INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn										
FROM	TO	m	%			FROM	TO	AL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
159.0	163.1	4.1	100	Moderately broken, pinkened P.A. (Overall dark adamellite).												
163.1	164.5	1.4	100	Altered alkali granite dyke. Upper contact sharp at 45° CA. Lower contact not observable. White bleached appearance, sparse mica and vuggy due to loss of sericite? Colours white-orange pink, minor greenish alteration.												
164.5	169.0	4.5	100	Pinkened P.A. Minor chloritic (green alteration). Minor rare alkali granite vein at 166.9m (5cms wide), slight mica alteration. Core moderately broken.												
169.0	174.8	5.8	100	Blue grey unaltered P.A. Monotonous minor pegmatite segregations. Weak greenish alteration of some feldspars. No pinkening.												
174.8	174.9	0.13	100	Vein of alkali granite. Upper contact 45° CA. Lower 90° CA. Sharp contacts. No greisen alteration.												
174.9	180.0	5.07	100	Medium to coarse grained porphyritic adamellite. Pinkened phenocrysts of feldspar. Minor pegmatite segregations at 177.6m.												
				END OF HOLE.												

657066



HOLE No. : BT 114

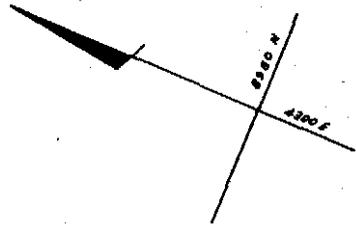
SCALE :



# DIAMOND DRILL HOLE PLOT

9019-7 N  
4312-2 E

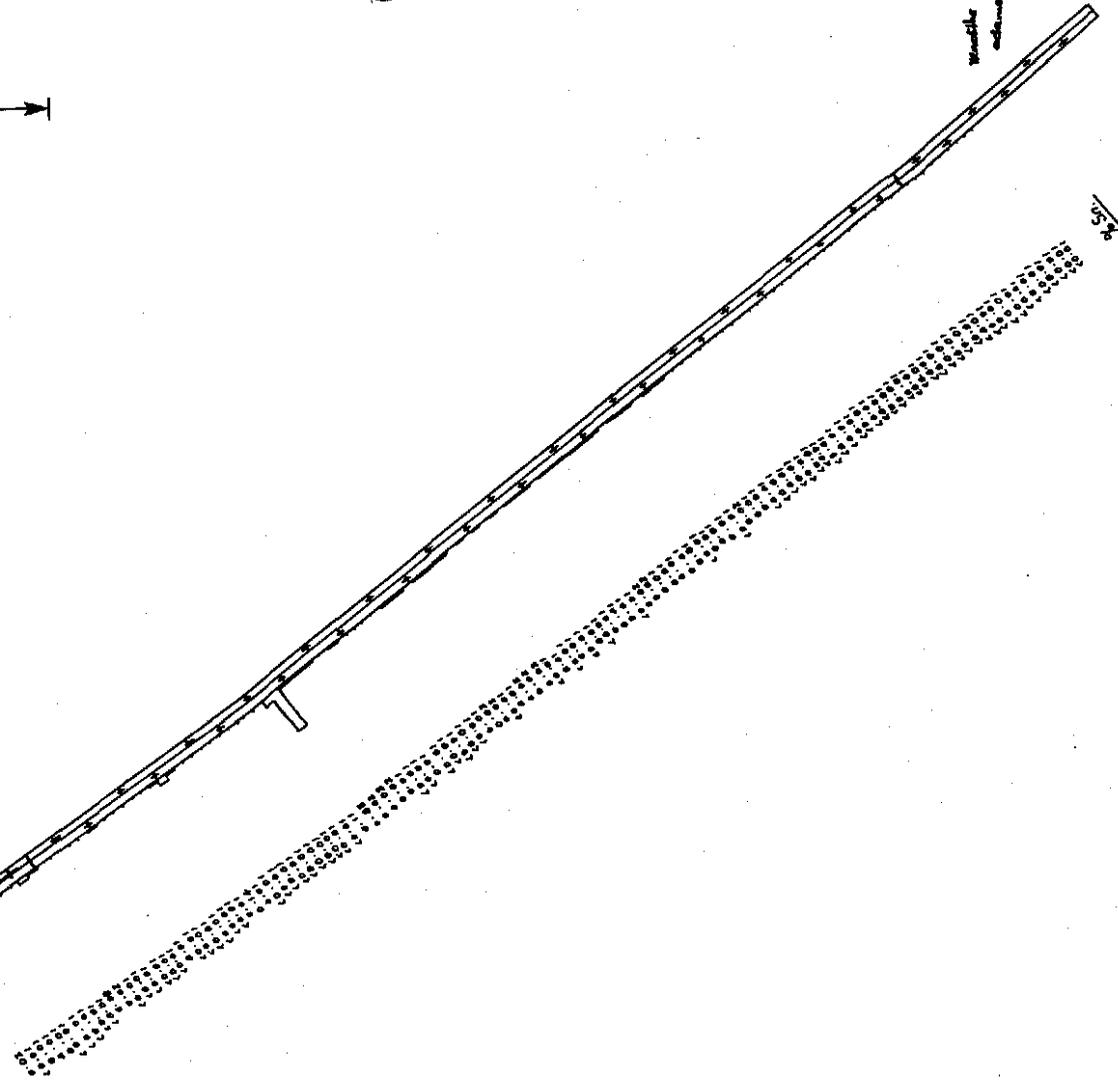
5 cm



PLAN

8970-3 N  
4200-2 E

748.9 m



boundary of  
andesinite

DIP PROFILE

544.3 m

657068

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.			% Sn.	*				*			
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Mo.	g/t Ag
				SUMMARISED LOG		63	64	0.02								
							65	<0.01								
0	36.0			WEATHERED COARSE GRAINED ADAMELLITE.			66	0.01								
							67	"								
36.0	63.1			FRESH, COARSE GRAINED ADAMELLITE.			68	"								
							69	<0.01								
63.1	68.95			SILICEOUS, GREISENISED ADAMELLITE? OR QUARTZ VEIN.			70	"								
							71	"								
68.95	74.7			PINKENED, ARGILLISED PORPHYRITIC ADAMELLITE.			72	"								
							73	"								
74.7	176.8			ALKALI GRANITE. VARIABLY ALTERED WITH ZONES OF GREISEN ALTERATION, FELDSPATHISATION. DISSEMINATED CASSITERITE FROM 101.9 to 103.6m.			74	0.08								
							75	0.02								
176.8	176.9			QUARTZ VEIN.			76	<0.01								
							77	"								
176.9	201.0			ALKALI GRANITE WITH RARE XENOLITHS OF PORPHYRITIC ADAMELLITE.			78	"								
							79	"								
				DETAILED LOG			80	"								
							81	"								
0	3.0	0	0	Tricons. No recovery.			82	0.01								
							83	<0.01								
3.0	6.0	0.05	1.7	Yellow weathered Poimena Adamellite.			84	"								
							85	"								
6.0	17.5	1.5	13	Yellow weathered P.A.			86	"								
							87	"								
17.5	19.0	1.5	100	Yellow weathered P.A. (50%), fresh P.A. (50%).			88	"								
							89	0.01								
19.0	20.0	1.0	100	Fresh dark blue grey P.A.			90	0.14								
							91	0.01	0.001			0.015	0.004	1	<0.002	
20.0	24.0	1.1	27.5	Fresh to yellow weathered P.A.			92	<0.01	0.001			0.0155	0.054	1	0.004	
							93	"	0.0015			0.0201	0.02	<1	0.002	
24.0	27.0	2.3	76.7	Yellow weathered P.A.			94	"	0.0015			0.018	0.01	1	0.002	
							95	"	0.0015			0.021	0.014	1	0.002	
27.0	33.0	0.3	5.0	Yellow weathered P.A.			96	"	0.002			0.0135	0.011	2	0.002	
							97	"	0.0015			0.015	0.007	1	0.002	
33.0	36.0	1.8	6.0	Yellow weathered P.A.			98	"	0.001			0.017	0.019	<1	0.002	
							99	"	0.0015			0.0095	0.01	<1	0.002	
36.0	39.0	3.0	100	Fresh blue grey P.A.			100	"	0.0015			0.007	0.012	1	0.002	
							101	"	0.0015			0.0065	0.009	1	0.002	
39.0	60.1	21.1	100	Full recovery. Fresher, pinkened P.A. From 58.2m, there is chlorite alteration and broken core.			102	0.11	0.001			0.012	0.006	1	0.002	
							103	0.85	0.001			0.0125	0.006	<1	0.004	
							104	0.02	0.001			0.01	0.005	<1	<0.002	
							105	0.03	0.001			0.009	0.005	<1	<0.002	
												0.007	0.005	<1	0.002	

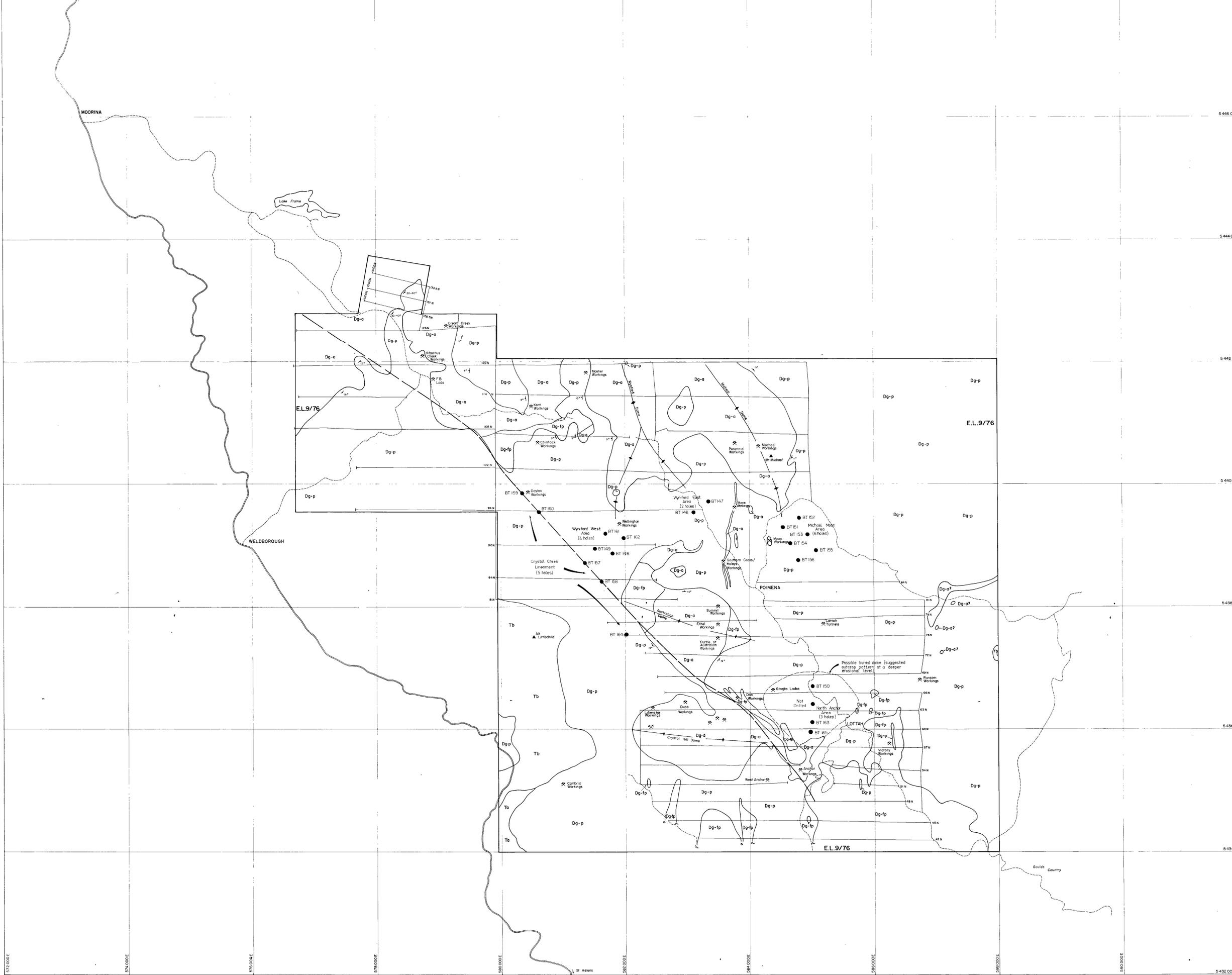


INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	T	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
90.95	98.9	7.95	100	Grades sharply back to grey-white mottled alkali granite with disseminated dark green phlogopite and blotchy alteration. Minor quartz veinlets at 0° CA forming sinuous wavy veinlets up to 3-5mm wide. Minor pervasive sericite alteration. Trace molybdenite.		149	150	<0.01								
98.9	100.2	1.3	100	Zone without disseminated green phlogopite. White grey mottled alkali granite. Blotchy grey-alteration with sericite.			155	"								
100.2	101.9	1.7	100	Re-appearance of dark green phlogopite.			158	"								
101.9	103.6	1.7	100	White grey alkali granite without dark green phlogopite. Minor sericite alteration. Disseminated dark grains of cassiterite.			160	"								
103.6	105.5	1.9	100	Zone with limonite on joints. Minor but increasing blotchy alteration.			163	"								
105.5	106.4	0.9	100	Variable with some zones completely with greenish alteration in otherwise blotchy alkali granite.			166	"								
106.4	106.52	0.12	100	Zone of dark grey to black green greisen. Gradational but generally sharp boundaries. Dark biotite very common.			169	"								
106.52	109.8	3.28	100	Back to monotonous mottled green and white sericitised alkali granite.			172	"								
109.8	124.4	14.6	100	Zone of monotonous light pink to white bleached alkali granite with very rare disseminated micas (light brown). Few clayey joints. Strongly altered (albitised?) granite. Slight sericite.			174	"								
124.4	127.4	3.0	100	Grades into a more normal, less altered granitic texture. Grey to pink with zones of grey green mottling. Disseminated dark green mica and trace molybdenite.			178	"								
127.4	128.4	1.0	100	Grades into light pink white, thoroughly altered (albitised?) bleached granite as before.			182	"								
128.4	129.1	0.7	100	Grades back into more normal less altered granite with mottled texture.			185	"								
129.1	151.0	21.9	100	Into normal slightly altered granite. Medium grained equigranular alkali granite with very minor zones of lime green alteration and several minor zones of mottling.												
151.0	153.2	2.2	100	Grades into mottled altered zone without dark mica.												

Sn Assays by Mines Department, Launceston (ref)

\* Cu, Zn, Mo, Ag, WO<sub>3</sub> assays by Reison.





**DRILL HOLE DATA**

BT 146 0-43m Pomona Adamellite  
(425 percussion) 43-45m Pegmatite  
45-96.2 Phyc granite - either Pomona  
Adamellite(?) or Alkali Granite(?)

BT 147 0-86m Pomona Adamellite  
(340 percussion) 86-110.5m Alkali Granite

BT 148 0-103.7m Pomona Adamellite  
(520 percussion)

BT 149 0-120m Pomona Adamellite  
(600 percussion)

BT 150 0-115m Pomona Adamellite  
(730 percussion)

BT 151 0-101.5m Pomona Adamellite  
(430 percussion)

BT 152 0-99.3m Pomona Adamellite  
(640 percussion)

BT 153 0-94m Pomona Adamellite  
(590 percussion)

BT 154 0-102m Pomona Adamellite  
(250 percussion)

BT 155 0-99.5m Pomona Adamellite  
(330 percussion)

BT 156 0-93.3m Pomona Adamellite  
(270 percussion)

BT 157 0-108m Pomona Adamellite  
(170 percussion)

BT 158 0-100.25m Pomona Adamellite  
(100 percussion)

BT 159 0-99.2m Pomona Adamellite  
(90 percussion)

BT 160 0-99.0m Pomona Adamellite  
(30 percussion)

BT 161 0-99.6m Pomona Adamellite  
(30 percussion)

BT 162 0-97.5m Pomona Adamellite  
(100 percussion)

BT 163 0-86m Pomona Adamellite  
(250 percussion) 86-113.7m Alkali Granite

BT 164 0-39.5m Pomona Adamellite  
(260 percussion)

BT 165 0-38 Pomona Adamellite  
(430 percussion)

38-99.6m Alkali Granite

**NOTE: GEOLOGICAL INTERPRETATION ON THIS PLAN NOW SUPERSEDED (NOV.1982) SHOWN FOR COMPARISON WITH AMENDED INTERPRETATION (FIGURES 9,10,etc.) AND TO ILLUSTRATE THE JUSTIFICATION FOR DRILLING THE NORTH ANCHOR HOLES.**

**LEGEND**

Quaternary	Ds	Alluvium, colluvium
Tertiary	Ts	Gravel, sand, clay
	Tb	Basalt
	To	Agglomerate and tuff
Stuart-Devonian		Mothana Beds
<b>BLUE TIER COMPOSITE BATHOLITH</b>		
Devonian	Dg-a	Alkali Granite - similar to granite in Anchor Mine, medium grained
	Dg-fp	Fine to medium grained, includes all small leucocratic types e.g. quartz-feldspar porphyry, quartz etc
	Dg-p	Pomona Adamellite - mesocratic porphyritic biotite granite/adamellite
	Dg-g	Granodiorite
		Leucocratic Granite Types
		Apparent Domed feature in roof of dyke granite
		Dg of granite contact
		Interpreted geological contact
		Photo-lineament
		Old Workings
		Cut Grid Line
		Vehicle Track
		Sealed Road
		Licence Boundary
		BT 151 Completed drillhole

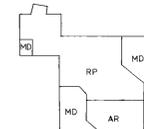
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**RENISON LIMITED** 52-11886

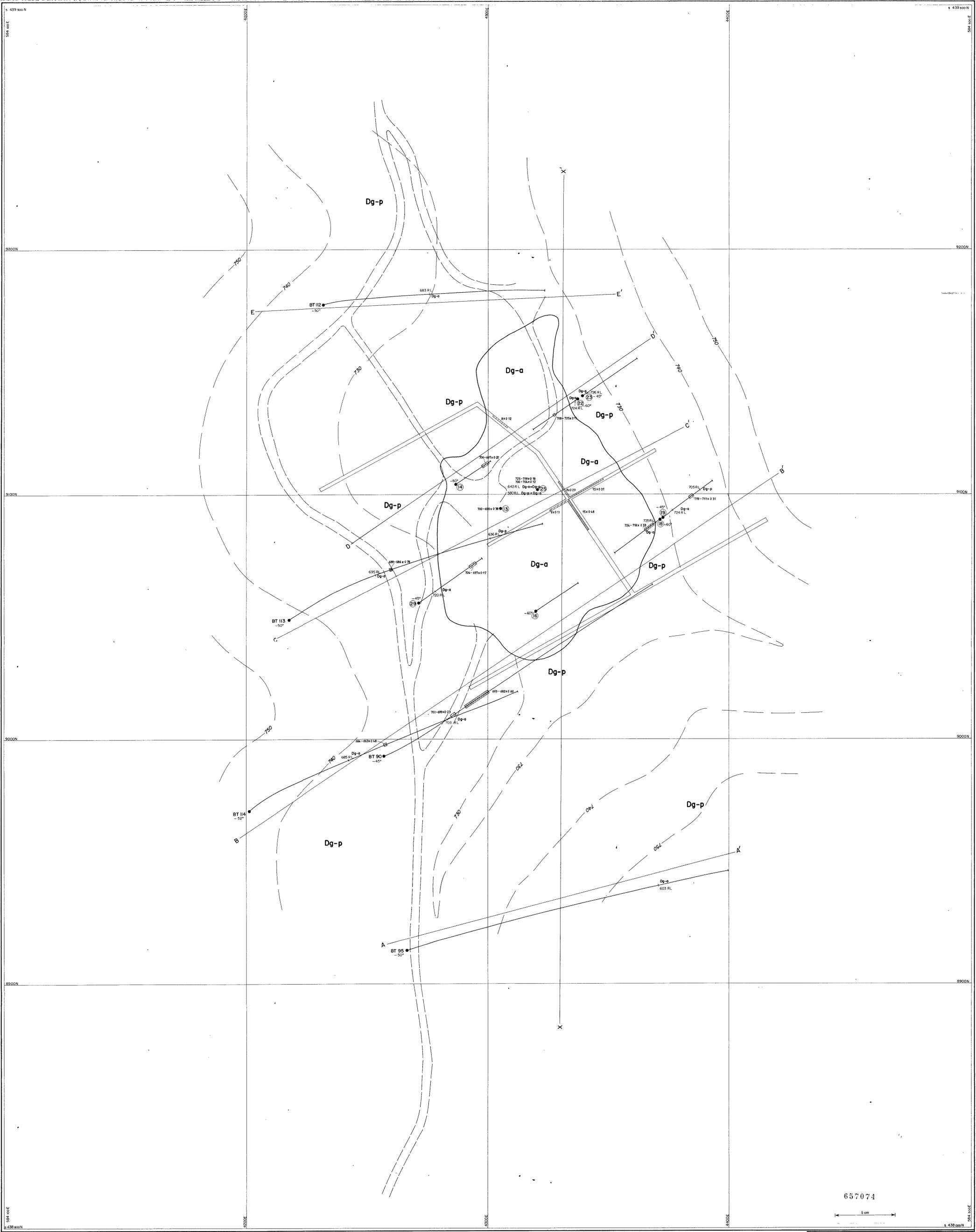
**BLUE TIER AREA  
DRILL HOLE LOCALITY PLAN**

<b>GEOLOGIST</b>	P.A.R.J.C.	<b>SCALE</b>	1:20000 METRES
<b>DRAUGHTSMAN</b>	T.G.S./S.J.F.		
<b>DATE</b>	APRIL 1982		
<b>REVISIONS</b>			

ATTRIBUTION DIAGRAM



**MAPPING BY**  
R. Pattock (contract geologist)  
**AR** A. Rous  
**MD** Mines Department  
(1:50000 mapping)



657074



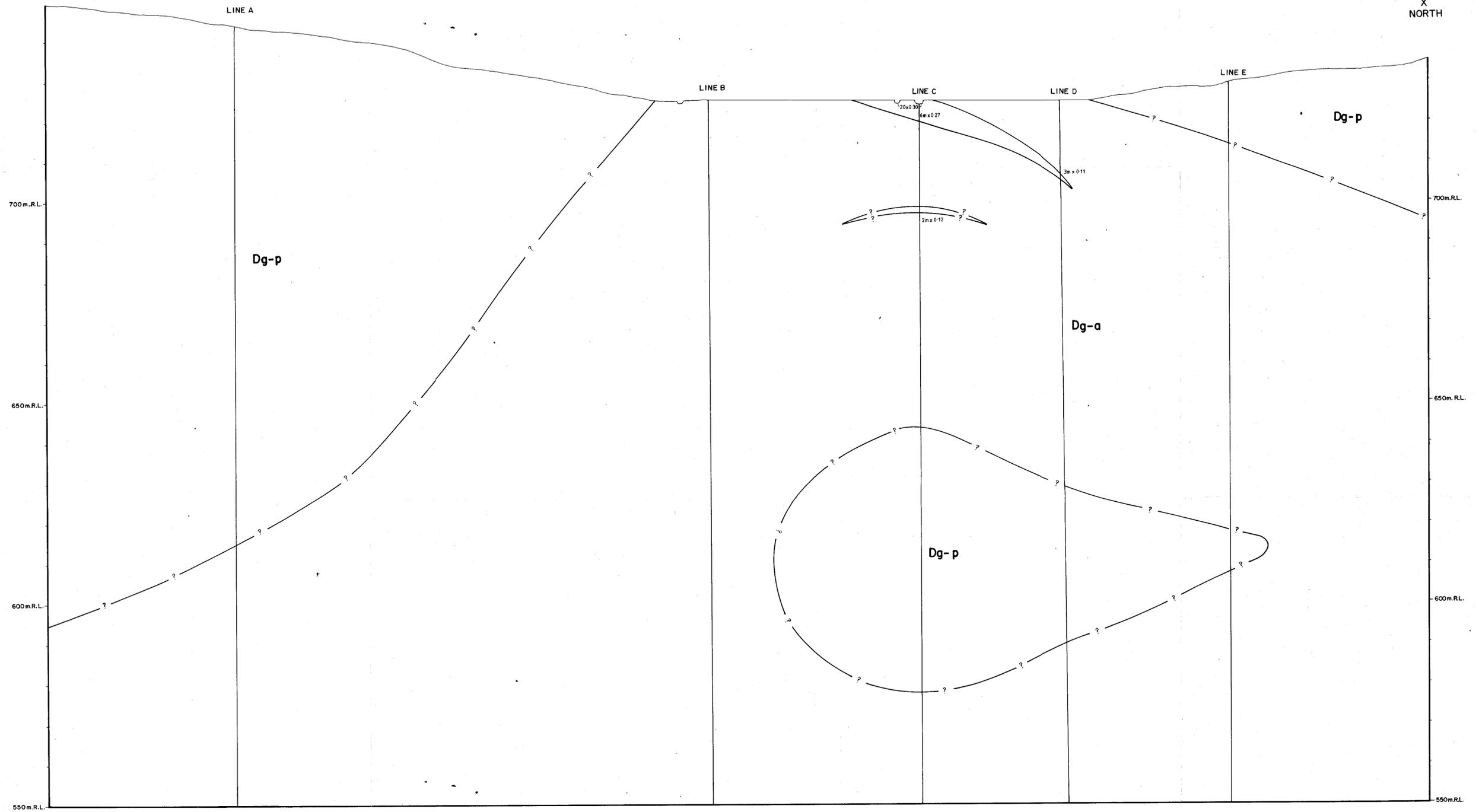
<p><b>Sn</b> ASSAY DATA AT 0.7% Sn CUT OFF</p>	<p>RENISON DRILL HOLES</p> <p>Drill Holes</p> <p>Trench</p>	<p>MT. LYELL (1906-07)</p>	<p>ROAD</p> <p>TOPOGRAPHIC CONTOUR (10m. Interval)</p> <p>CONTACT Surface - Drill Hole</p>	<p>NOTE: OPEN CUTS WITHIN MOON MINE WORKINGS NOT SHOWN.</p>	<p>GN MN</p>	<table border="1"> <tr> <td>1</td> <td>MOON MINE AREA</td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> </table> <p>1:5000 Series</p>	1	MOON MINE AREA	2		3		4	
1	MOON MINE AREA													
2														
3														
4														

GOLD FIELDS EXPLORATION PTY. LIMITED	
MOON MINE AREA	
INTERPRETATIVE GEOLOGY AND DRILL HOLES	
DRAWN BY A.J.C.	DRAFTSMAN S.J.F.
DATE Nov. 82	REVISIONS
FILE NO.	FIGURE 3
SCALE 1:500	METRES



X  
SOUTH

X'  
NORTH



657076

GOLD FIELDS EXPLORATION PTY. LIMITED

MOON MINE AREA  
LONGITUDINAL SECTION

5 cm

SCALE 1:500



DRAWN BY	A.J.C.
DRAFTSMAN	S.J.F.
DATE	Dec. 82
REVISIONS	
FILE NO.	

FIGURE 5



657077



640 ——— STRUCTURE CONTOURS AT THE TOP OF THE ALKALI GRANITE

- - - - - EASTERN LIMIT OF THE UPPER AND LOWER POIMENA GRANITE PROJECTIONS

BT 110 50° 700-694 x 0.17 RENISON DRILL HOLES

Drill Holes

Trench

Sn ASSAY DATA AT 0-1% Sn CUT OFF

MT. LYEELL (1906-07)

ROAD

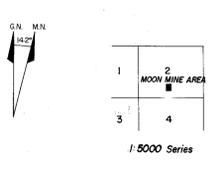
740 TOPOGRAPHIC CONTOUR (10m Interval)

CONTACT - Surface - Drill Hole

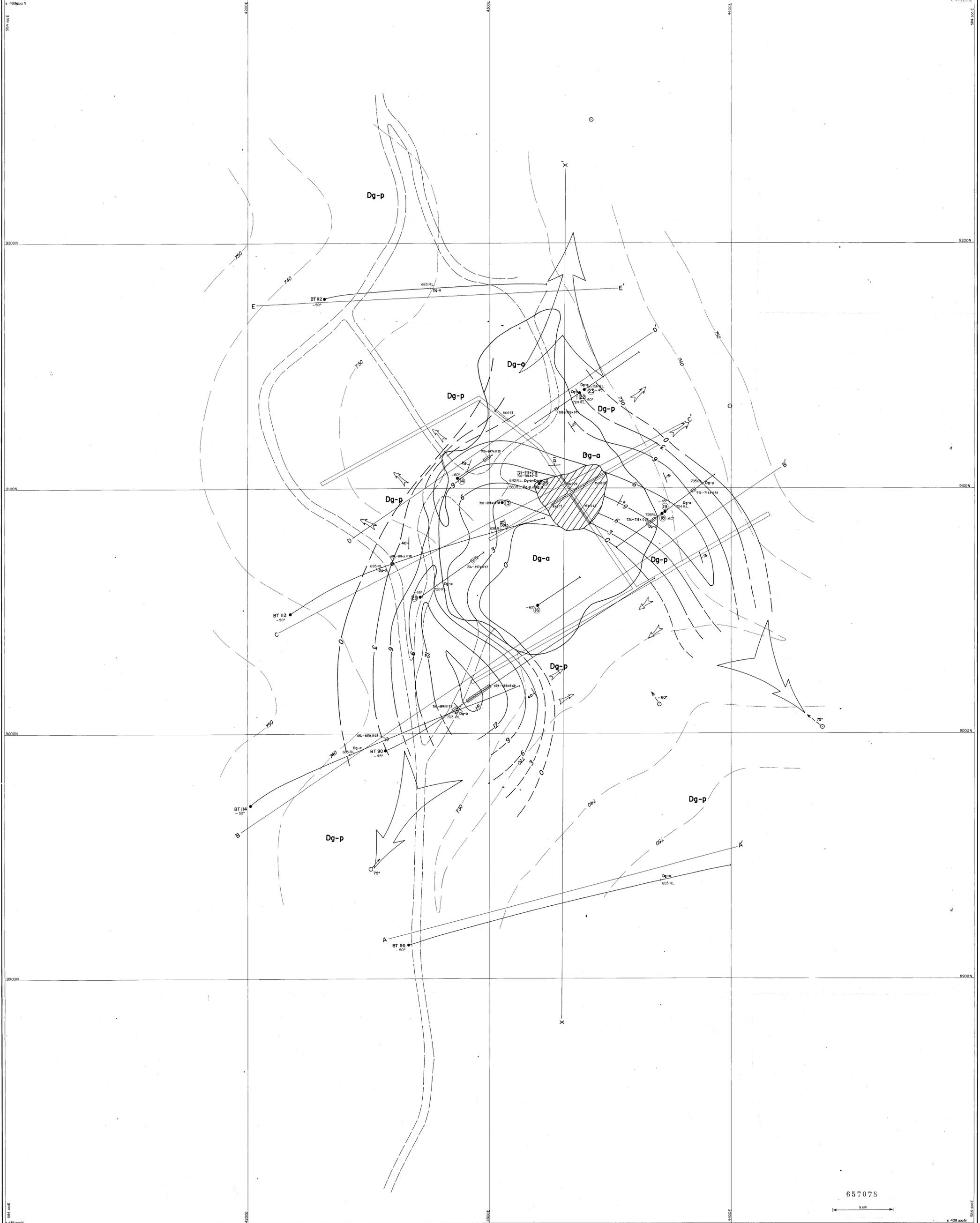
NOTE: OPEN CUTS WITHIN MOON MINE WORKINGS NOT SHOWN.

DIRECTION OF MAXIMUM POTENTIAL FOR UNEXPOSED RIDGE OR DOME OF ALKALI GRANITE.

○ PROPOSED DRILL HOLE



GOLD FIELDS EXPLORATION PTY LIMITED	
82-1055	
<b>MOON MINE AREA</b>	
STRUCTURE CONTOURS AT THE TOP OF THE ALKALI GRANITE & PROPOSED DRILL HOLES	
DRAWN BY A.J.C.	REVISIONS
DRAFTSMAN S.J.F.	DATE Nov. 82
FILE NO.	
SCALE 1:500	FIGURE 6



657078  
5 cm

THICKNESS CONTOURS AT 3m INTERVALS  
 INTERPRETED ATTITUDE OF THE MINERALISED ZONE  
 MINED OUT TO A MAXIMUM DEPTH OF 4m  
 POSSIBLE MAJOR EXTENSIONS OF MINERALISATION  
 POSSIBLE LIMITED EXTENSIONS OF MINERALISATION

Sn  
 ASSAY DATA  
 AT 0.1% Sn  
 CUT OFF

RENISON DRILL HOLES  
 BT 110 -50°  
 BT 112 -50°  
 BT 113 -50°  
 BT 114 -50°  
 BT 90 -45°  
 BT 95 -50°

MT. LYELL (1906-07)

ROAD  
 TOPOGRAPHIC CONTOUR (10m interval)  
 CONTACT  
 - Surface  
 - Drill Hole

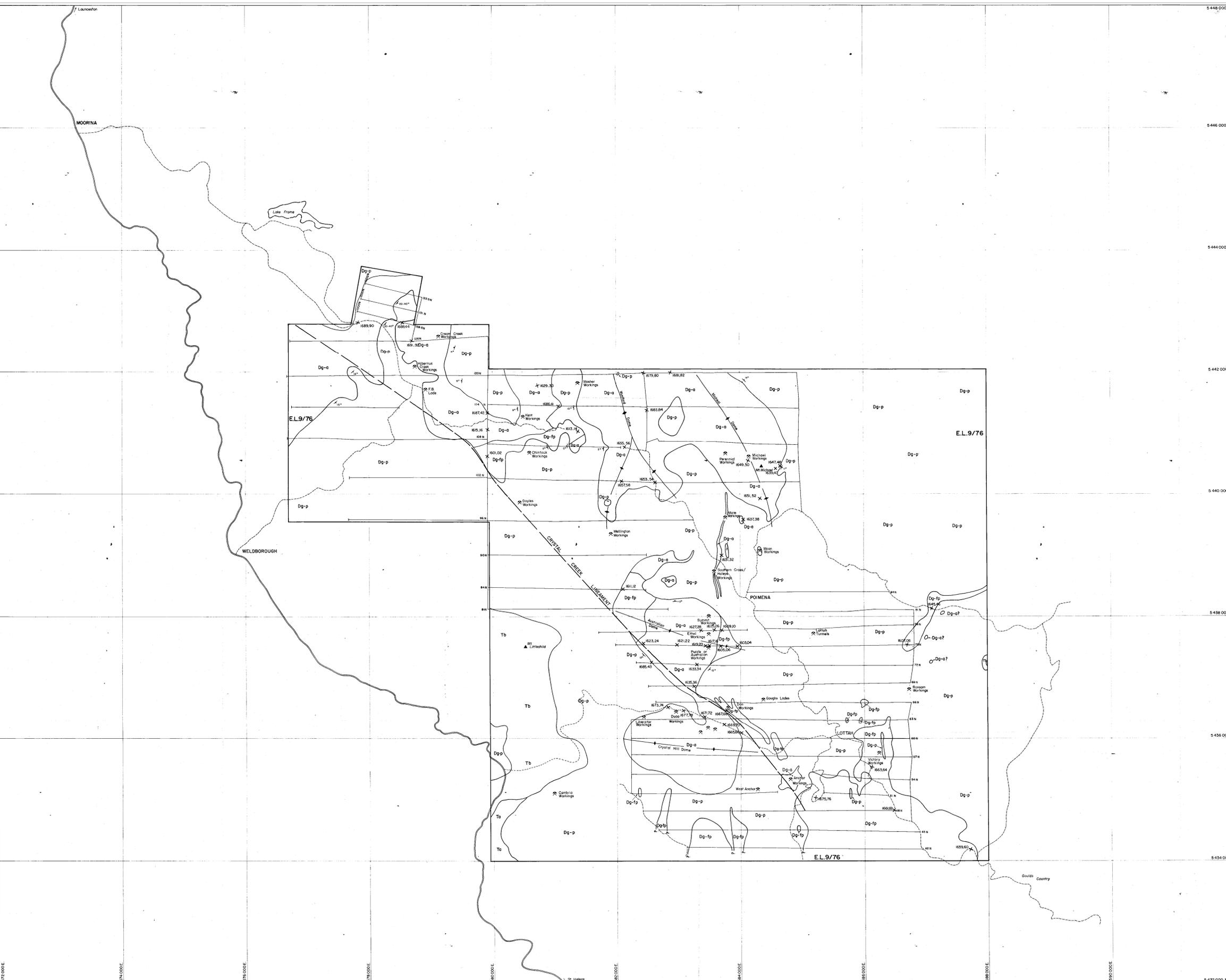
NOTE: OPEN CUTS WITHIN MOON MINE WORKINGS NOT SHOWN.  
 PROPOSED DRILL HOLE

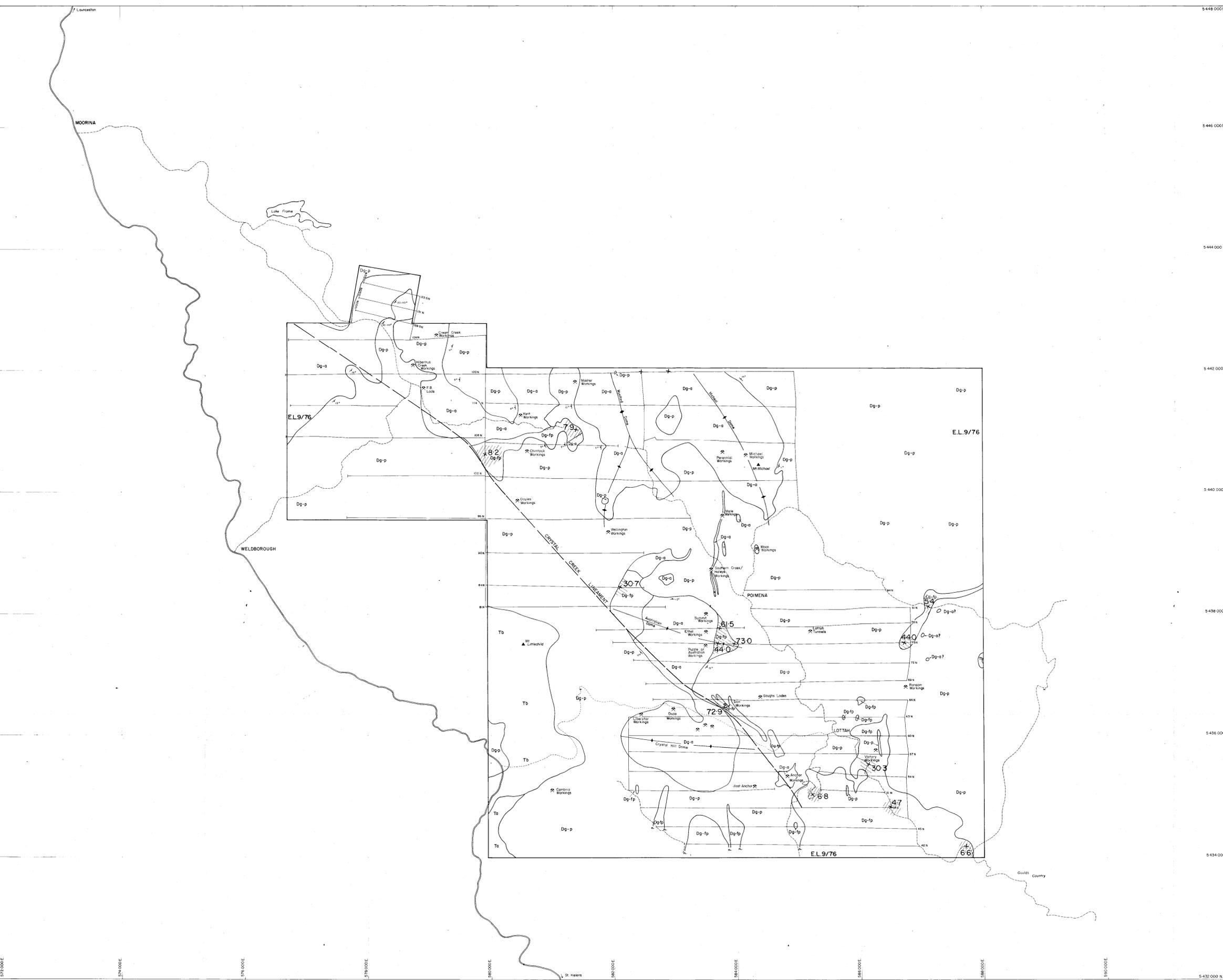
1 MOON MINE AREA  
 2 MOON MINE AREA  
 3 MOON MINE AREA  
 4 MOON MINE AREA  
 1:5000 Series

GOLD FIELDS EXPLORATION PTY LIMITED	
62-1478	
MOON MINE AREA	
ISOPACH MAP OF THE MAJOR MINERALISED ZONE & PROPOSED DRILL HOLES	
DRAWN BY A.J.C.	DATE Nov. 82
DRAFTSMAN S.J.F.	REVISIONS
FILE NO.	FIGURE 7
SCALE 1:500	METRES









**LEGEND**

Dg-fp with Dg-a affinities ( $Rb/Sr > 30$ )

Dg-fp with Dg-p affinities ( $Rb/Sr < 12$ )

**LEGEND**

Quaternary Alluvium, colluvium

Tertiary Gravel, sand, clay

Basalt

Agglomerate and tuff

Siuro Devonian Murchison Beds

**BLUE TIER COMPOSITE BATHOLITH**

Alkali Granite - similar to granite in another area, medium grained

Fine to medium grained, includes all other leucocratic types, e.g. quartz-feldspar porphyrogranite etc.

Poimena Admetite - mesocratic porphyritic biotite granite/diabaseite

Granodiorite

Apparent domal feature in roof of alkali granite

Dip of granite contact

Interpreted geological contact

Photo-lineament

Old Workings

Cut Grid Line

Vehicle Track

Sealed Road

Licence Boundary

657082

5cm

**ATTRIBUTION DIAGRAM**

MAPPING BY  
 RP R. Pottack (contract geologist)  
 AR A. Ross  
 MD Mines Department  
 (1:50000 mapping)  
 AC A. CARTWRIGHT

**RENISON LIMITED**

62-1006

**BLUE TIER AREA**

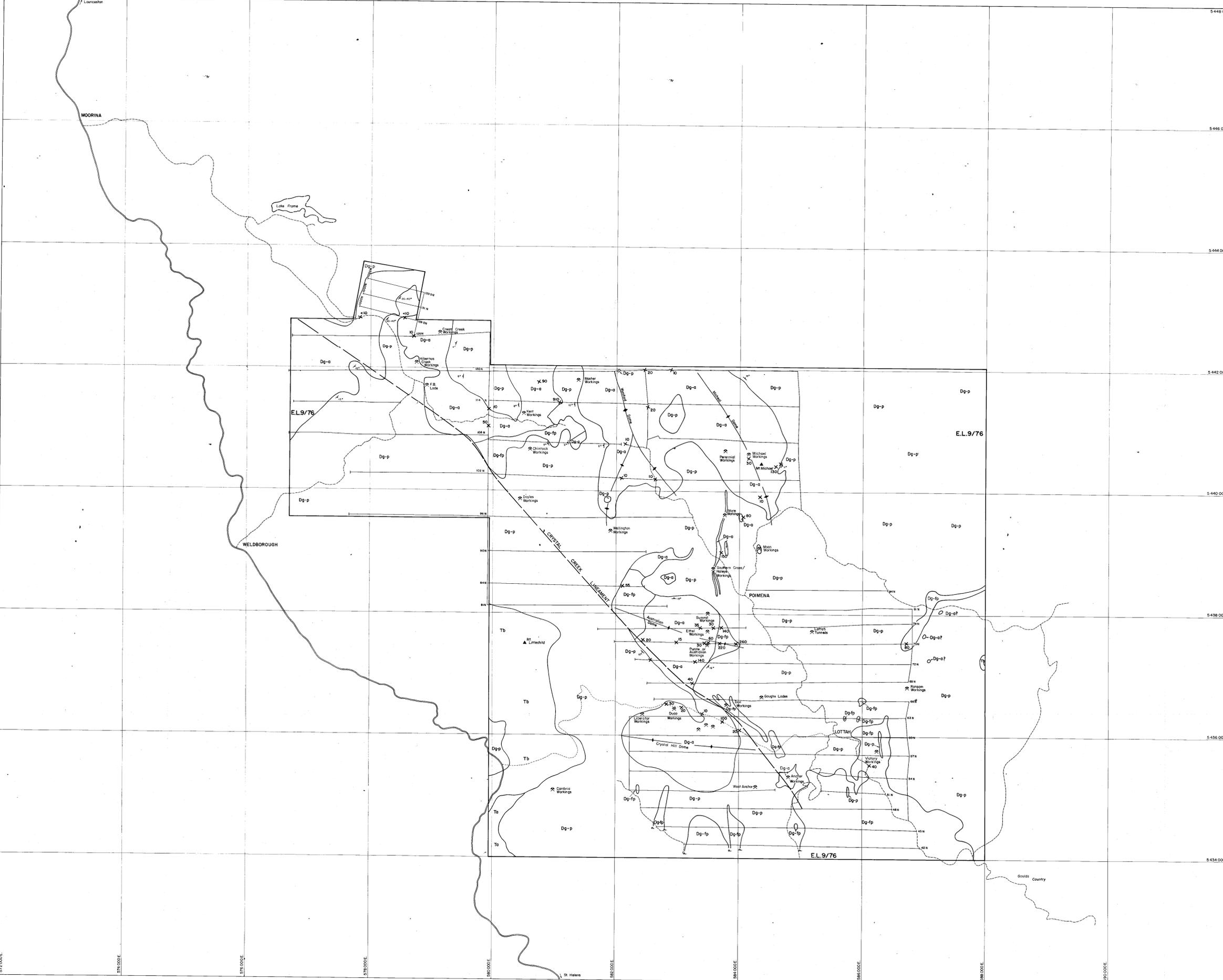
**Rb/Sr RATIOS OF Dg-fp ROCK SAMPLES**

GEOLOGIST P.A.R./A.C.  
 DRAUGHTSMAN T.O.D./S.J.F.  
 DATE DEC, 1982  
 REVISIONS A.J.C. (NOV. 1982)

SCALE 1:20000 METRES

FIGURE 12





**LEGEND**

Quaternary [Dq] Alluvium, colluvium

Tertiary [Tn] Gravel, sand, clay

Tertiary [Tb] Basalt

Tertiary [To] Agglomerate and tuff

Sturt-Devonian [Mh] Murchison Basalt

**BLUE TIER-COMPOSITE BATHOLITH**

[Dg-a] Alkali Granite - similar to granite in Anchor Mine, medium grained

[Dg-b] Fine to medium grained, includes all other secondary types e.g. quartz-feldspar porphyry, etc.

[Dg-c] Plutonic Adamellite - mesocratic porphyritic, biotite granite/diorite

[Dg-d] Granodiorite

[Dg-e] Leucocratic Granite Types

▲ Apparent Concord feature in roof of older granite

↘ Dip of granite contact

— Interpreted geological contact

--- Photo-lineament

✱ Old Workings

— Cur Grid Line

— Vehicle Track

— Sealed Road

— Licence Boundary

40 X Rock Chips Assays (p.p.m.)

657084

5cm

**RENISON LIMITED**

**BLUE TIER AREA**

**COPPER GEOCHEMISTRY**

**FROM ROCK CHIPS**

22-1005

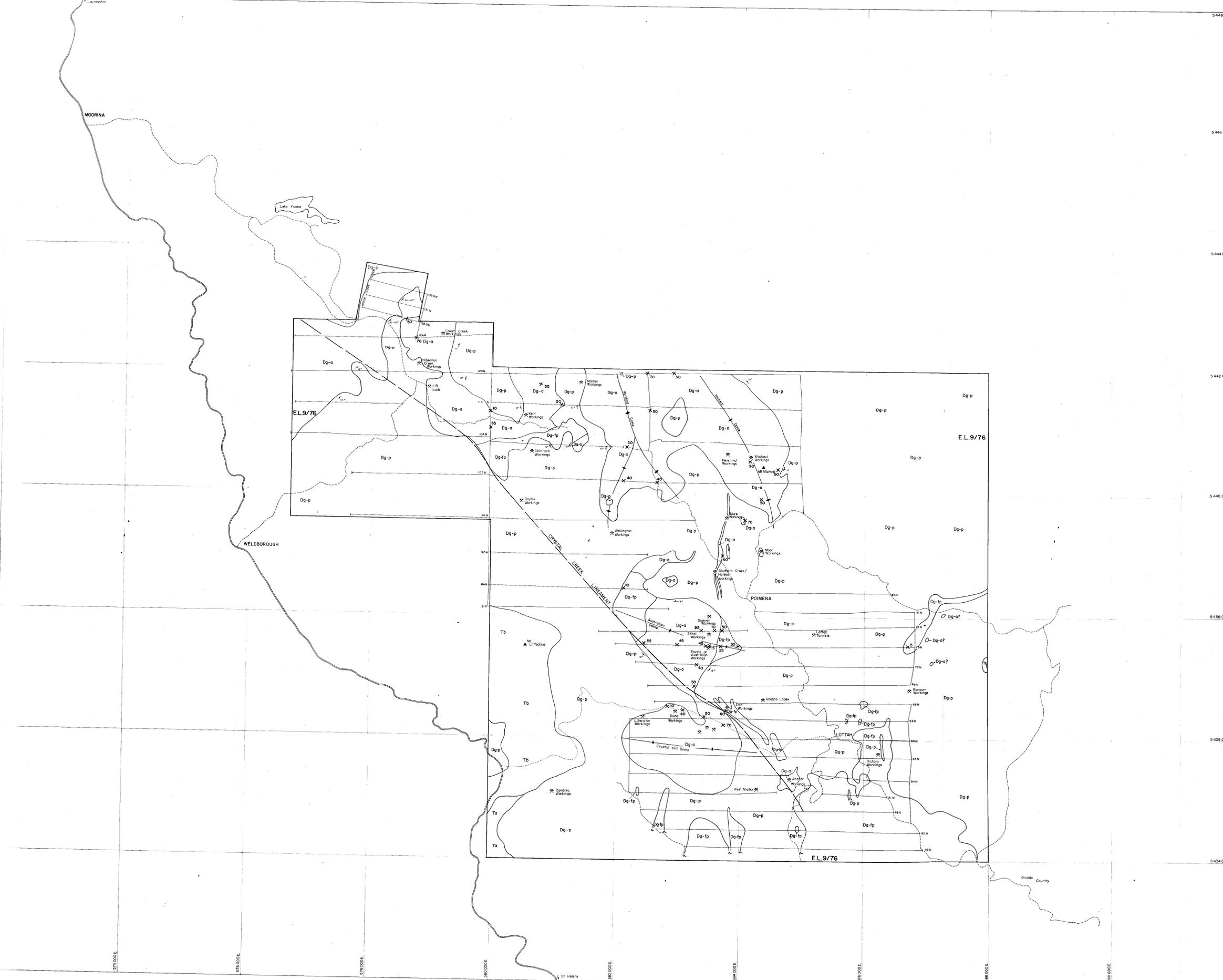
**GEOLOGIST** P.A.R./A.J.C. **SCALE** 1:20,000 METRES

**DRAUGHTSMAN** T.O.D.S./S.J.F. **DATE** APRIL 1982

**REVISIONS** A.J.C. **DRAWING No.**

**ATTRIBUTION DIAGRAM**

**MAPPING BY**  
 RP R. Pollock (contract geologist)  
 AR A. Ross  
 MD Mines Department  
 (1:50,000 mapping)  
 AC A. CARTWRIGHT



**LEGEND**

Quaternary

- So Alluvium, colluvium
- Ts Gravel, sand, clay

Tertiary

- Tb Basalt
- To Agglomerate and tuff

Siluro-Devonian

- Ma Mafic dykes

**BLUE TIER COMPOSITE BATHOLITH**

- Dg-a Anhydrous granite - similar to granite in Anchor Mine, medium grained
- Dg-fp Fine to medium grained, includes all other leucocratic types (e.g. quartz-feldspar porphyry, etc.)
- Dg-p Porphyro appanite - megacrystic porphyro-blastic granite/leucocratic
- Dg-g Granodiorite

Leucocratic Granite Types

- Apparent basal feature in roof of stival granite
- ↔ Dip of granite contact
- Interpreted geological contact
- - - Photo-lineament
- \* Old Workings
- Cut Grid Line
- ~ Vehicle Track
- ▬ Sealed Road
- ▬ Licence Boundary
- 40x Rock Chip Assays (p.p.m.)

5 cm

**ATTRIBUTION DIAGRAM**

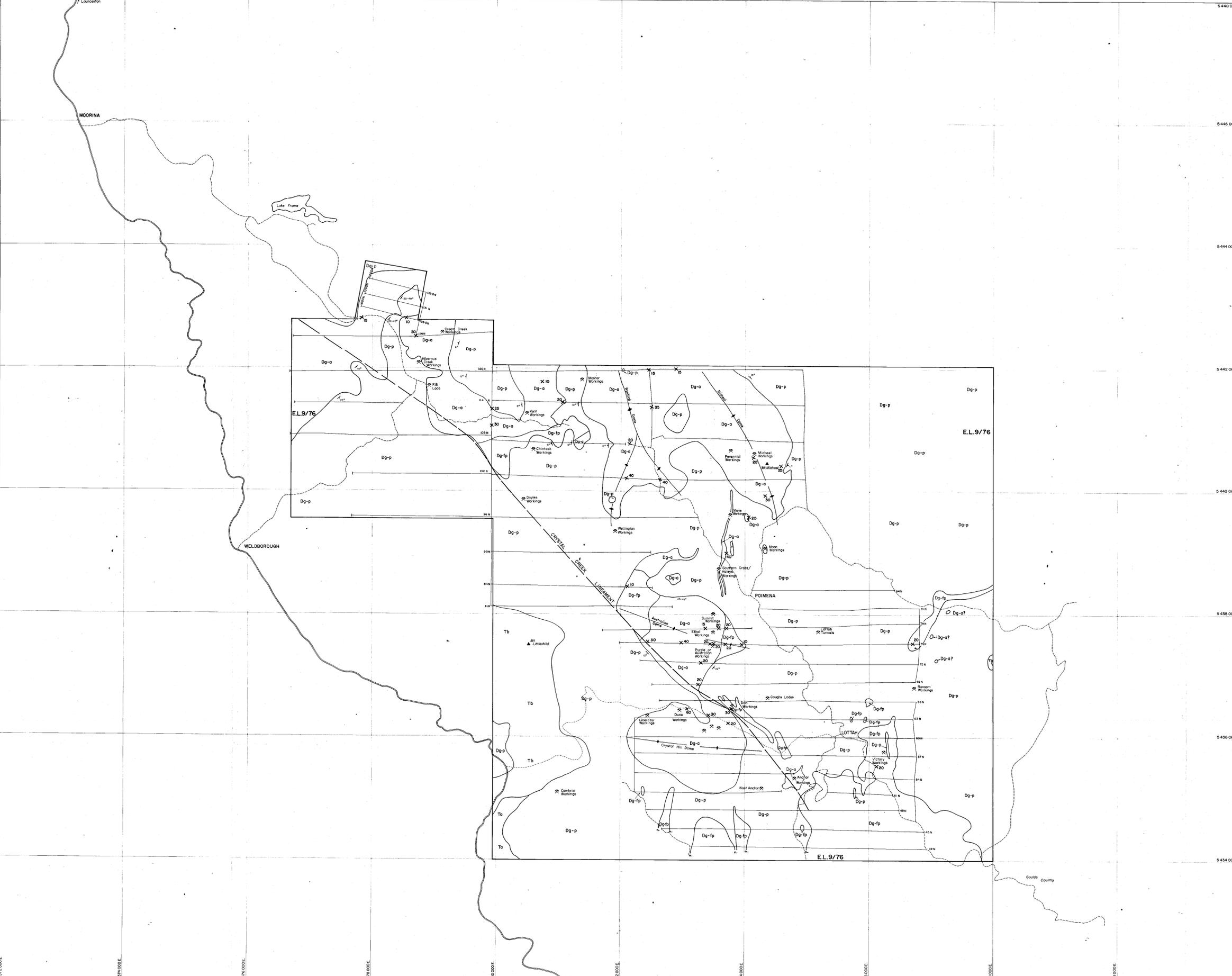
MAPPING BY  
R. Poteock (contract geologist)  
A. Ross  
Mines Department  
(1:50,000 mapping)  
A. CARTWRIGHT

**RENISON LIMITED**

657055 **BLUE TIER AREA**  
**ZINC GEOCHEMISTRY**  
**FROM ROCK CHIPS**

GEOLOGIST P.A.R./A.J.C. SCALE 1:50,000 METRES  
DRAUGHTSMAN T.G.S./B.J.E. 400 0 400 800  
DATE APRIL 1982  
REVISIONS A.J.C. DRAWING No.

FIGURE 15



**LEGEND**

Quaternary: Dg - Alluvium, colluvium

Tertiary: Tb - Gravel, sand, clay; Tt - Basalt; To - Agglomerate and tuff

Stuart-Devonian: M - Murchison Beds

**BLUE TIER COMPOSITE BATHOLITH**

Devonian: Dg-a - Alkali granite - similar to granite in another Blue Tier region; Dg-p - Fine to medium grained, includes all other leucocratic types e.g. quartz-feldspar porphyry, etc. etc.; Dg-o - Poimena Admetta - mesocratic perthitic biotite granite/odometta; Dg-g - Granodiorite

Other symbols:
 

- ▲ - Apparent domal feature in roof of small granite
- ▲ - Dip of granite contact
- - Interpreted geological contact
- - Photo-interpretation
- ✱ - Old workings
- - Cut Grid Line
- - Vehicle Track
- - Sealed Road
- - Licence Boundary
- ✱ - Rock Chip Assays (ppm)

657086

5cm

**CONTRIBUTOR DIAGRAM**

**MAPPING BY**  
 RP R. Pollock (contract geologist)  
 AR A. Ross  
 MD Mines Department  
 AC (1:50000 mapping)  
 A. CARTWRIGHT

**RENISON LIMITED**

**BLUE TIER AREA**  
**TUNGSTEN GEOCHEMISTRY**  
**FROM ROCK CHIPS**

GEOLOGIST: P.A.R./A.A.C. SCALE: 1:20000 METRES  
 DRAUGHTSMAN: T.O.D.S./A.J.C.  
 DATE: APRIL 1982  
 REVISIONS: A.J.C. DRAWING No. 16  
 FIGURE 16

657087

## BLUE TIER DRILL LOGS

HOLES : BT 146 →

Diamond Drill Hole Plot Geological Symbols :



Poimena Adamellite



Poimena Adamellite - Weathered



Fine Grained Poimena Adamellite (Dg-fp)



Pegmatite



Alkali Granite



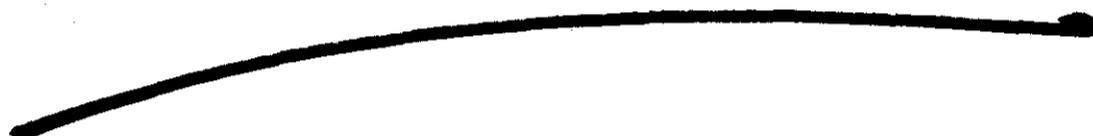
Alkali Granite - Altered

~~SEMINARS~~

657088

ANCHOR / BLUE TIER

• DRILL CORE



pc the  
e that  
date  
1976

**OPEN FILE**

82-1888

PROGRESS REPORT - EL 9/76  
GOLDFIELDS - A J CARTWRIGHT

657089 69268

Enquiries: N.J. Turner  
Phone: 33 8363  
Your ref:  
Our file: NJT34.92:JH

23 JUL 1992

Mr C Cannard  
Chief Geologist  
Renison Ltd  
ZEEHAN TAS 7469

Dear Sir,

**BLUE TIER/ANCHOR MINE DRILL CORE**

The Department of Mines core store at 93 Mornington Drive will accept the 18 pallets (360 trays) of diamond drill core from Blue Tier/Anchor Mine that are held in the Renison Ltd core store. Please do not send the 3 pallets of assay rejects.

Kindly notify our core store supervisor, Mike Jacobson, of your expected date and time of delivery of the core. Mike can be contacted directly on (002) 33 8406 or by leaving a message with our Receptionist on (002) 33 8333.

Yours faithfully,



M.R. Hargreaves  
DEPUTY SECRETARY

*M.R. Hargreaves*

Records

Please send a  
copy of this  
letter to Mike  
Jacobson

DONE (!)  
BB



## DEPARTMENT OF MINES

## INTERNAL MEMORANDUM

Enquiries: N.J. Turner  
Phone: 33 8363  
Your ref:  
Our file: NJT28.92:JH

Mr M R Hargreaves  
Deputy Secretary  
ROSNY PARK

BLUE TIER/ANCHOR MINE DRILLING BY RENISON LTD, GOLDFIELDS EXPL.

Colin Cannard of Renison Ltd wishes to dispose of the Blue Tier/Anchor Mine diamond drill core that is held in the core store at Renison mine. There are 360 trays of core stored on 18 pallets of 20 trays each. There are also three pallets of assay rejects.

We already hold a substantial proportion of the Blue Tier/Anchor Mine core which we received from RGC, and we have the necessary capacity to store the additional core from Renison Ltd. At this stage there has been no editing of any of the Blue Tier/Anchor Mine core.

To satisfactorily edit the Blue Tier/Anchor Mine core we will need to have all the available material to hand, Therefore, it is recommended that we accept the Renison Ltd core and store it until such time as it is necessary to edit the collection. We do not want the three pallets of assay rejects.

  
N.J. Turner  
PROJECT GEOLOGIST

Forwarded through Dr D.McP. Duncan

c.c. Dr M P McClenaghan Rosny Park  
Mr M Jacobson Mornington

## BLUE TIER/ANCHOR DRILLING BY RENISON LTD, GOLDFIELDS EXPL.

- A. Hole numbers corresponding to core held in DOM store at 16 June 1992
- B. Hole numbers corresponding to core apparently held in Renison Ltd Store at 16 June 1992
- C. Other hole numbers

A	B	C
		BT1A
		BT1-21
BT22		
		BT23-33
BT34-35		BT36-39
	BT40-42	
BT43		
	BT44-49	
BT50		
	BT51-68	
	BT69-78	
	BT79-80	
BT81		
		?BT82-91
	BT92-94	
BT95		
	BT96	
BT97-111		
BT112-114		
		BT115-126
BT127-132		
		BT133-136
BT137-145		
		BT146-162
BT163		
		BT164
BT165		
BT166-176		

Mick McEown 16.6.92

Blue Tier / Anchor Drilling

Kemison Ltd / Goldfields Exploration.

461101

Ore Reserves at Savage.

Mining Reserve.

Core at Anchor - stored outside

Anchor 736262 ~~(736262)~~ - Mark.

Royal George core - drilled HQ with

100% recov., sawn in half - stacked

on pallets underground.

Logs & assays, photos of core.

Anchor Mine - development core from  
the bodies being worked Approx 100 trays.  
- not on pallets.

Uc Thew.

1 ✓	1 ✓
2 ✓	21 ✓
1 ✓	11 ✓
1 ✓	4 ✓
1 ✓	9 ✓
1 ✓	18 ✓
15	10 ✓
3 ✓	2 ✓
6 ✓	5 ✓
9 ✓	12 ✓
1 ✓	4 ✓
1 ✓	17 ✓
11 ✓	1 ✓
<hr/>	<hr/>
53	115

if sending their 1070 racks holds 29 vertically.

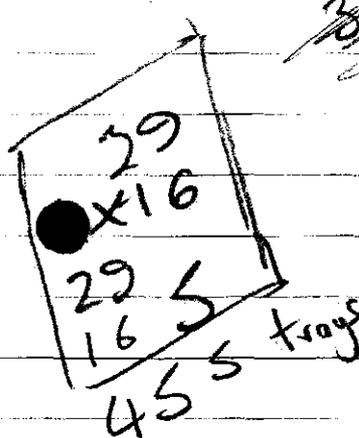
Revision Mine Core Store.

Theoretical total 12080 m

Theoretical core boxes at 8w/box 1510 boxes

1070 - can be stacked on pallets

DOM store  
29 trays/rack  
16 racks/aisle of 1m  
~~33 x 16 racks per aisle~~



300  
180  

---

3180

per aisle for 1000 trays.  
⇒ 2 aisles

JakePhelaw.

— wants to inspect —

- — if to be palletized — start from bottom of hole so tray no 1 is on top of stack.

10x20

360

# Doris

Hold by Thom  
X 124

Thom DORIS

~~BT 146-162~~

~~BT 164~~

~~BT 42~~

~~BT 115-126~~

~~BT 133-138~~

~~BT 79-80~~

~~BT 82-96~~

~~BT 69-78~~

~~BT 68-51~~

~~BT 49-40~~

~~BT 1A~~

~~BT 39-36~~

~~BT 33-23~~

~~BT 21-1~~

Rearranged

BT 1A

BT 1-21

BT 23-33

BT 36-39

BT 40-49 <sup>BT 42</sup>

BT 51-68

BT 69-78

BT 79-80

BT 82-96

~~BT 115-126~~

~~BT 133-138~~

~~BT 146-162~~

~~BT 164~~

# Blue Tiev

Hold by us

~~FRONT DORIS~~

BT 22

~~BT 34-35~~

~~BT 50~~

~~BT 81~~

~~BT 145-137~~

~~BT 132-127~~

~~BT 111-97~~

~~BT 43~~

~~BT 165~~

~~BT 163~~

~~BT 114-112~~

~~BT 25~~

~~BT 176-166~~

Rearranged

~~BT 22~~

~~BT 34-35~~

~~BT 43~~

~~BT 50~~

~~BT 81~~

~~BT 95~~

~~BT 97-111~~

~~BT 127-132~~

~~BT 137-145~~

~~BT 163~~

~~BT 163~~

BT 165

BT 166-176

Thom

BT 1A

BT 1-21

BT 23-33

BT 36-39

~~BT 40-49~~ <sup>(42)</sup>

BT 51-68

BT 69-78

BT 79-80

BT 92-96

BT 97-111

BT 112-114

BT 115-126

BT 133-136

BT 146-162

BT 164

Us

BT 22

BT 34-35

(BT 43)

BT 50

BT 81

(BT 95)

BT 97-111

BT 112-114

BT 127-132

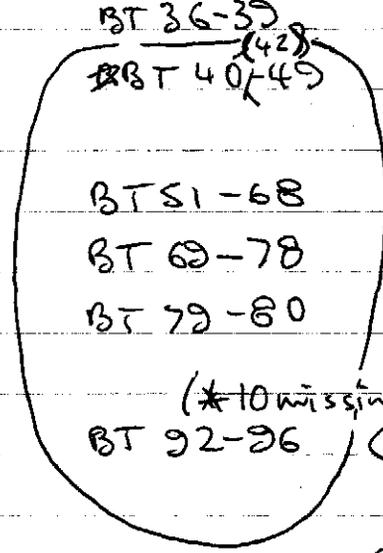
BT 137-145

BT 163

BT 165

BT 166-176

53 holes



X Not held by DOM 1m trays can be stored  
Probably in Renison Mine Store 1070 can't be stored in racks

Total pink  
12080m indicated

657097

REF NO:	BOREHOLE NO	QUAD	SHEET	AMB REF	ACC	PURPOSE	PLAN	REPORT	LOG	LOCN	CORE	EL OR ML
		ORGANISATION	DRILLER	DATE	DEPTH	DRILL	GEOPHYS					
2262	BLUE TIER 1A	, 33	, 85154	5810005438000	, MET				86	N		
✓ 3611	BLUE TIER ANCHOR M 39P	, 32	, 84151	5849005435200	, MET	1/1968	244m	DDH		N		
✓ 3612	BLUE TIER ANCHOR M 38II	, 32	, 84151	5849005435200	, MET	4/1966	92m	DDH		N		
✓ 3613	BLUE TIER ANCHOR M 37E	, 32	, 84151	5849005435200	, MET	3/1966	170m	DDH		N		
✓ 3614	BLUE TIER ANCHOR M 366B	, 32	, 84151	5849005435200	, MET	3/1966	112m	DDH		N		
✓ 3615	BLUE TIER ANCHOR M 35HH	, 32	, 84151	5849005435200	, MET	8/1964	144m	DDH		N		
✓ 3616	BLUE TIER ANCHOR M 34EE	, 32	, 84151	5849005435200	, MET	2/1966	186m	DDH		N		
✓ 3617	BLUE TIER ANCHOR M 33DD	, 32	, 84151	5849005435200	, MET	2/1966	62m	DDH		N		
✓ 3618	BLUE TIER ANCHOR M 32BB	, 32	, 84151	5849005435200	, MET	2/1966	52m	DDH		N		
X 3619	BLUE TIER ANCHOR M 31I	, 32	, 84151	5849005435200	, MET	8/1966	55m	DDH		N		
✓ 3620	BLUE TIER ANCHOR M 30W	, 32	, 84151	5849005435200	, MET	1/1966	74m	DDH		N		
✓ 3621	BLUE TIER ANCHOR M 29CC	, 32	, 84151	5849005435200	, MET	1/1966	57m	DDH		N		
✓ 3622	BLUE TIER ANCHOR M 28K	, 32	, 84151	5849005435200	, MET	1/1966	49m	DDH		N		
✓ 3623	BLUE TIER ANCHOR M 27FF	, 32	, 84151	5849005435200	, MET	1/1966	70m	DDH		N		
✓ 3624	BLUE TIER ANCHOR M 266	, 32	, 84151	5849005435200	, MET	1/1966	61m	DDH		N		
✓ 3625	BLUE TIER ANCHOR M 25-0	, 32	, 84151	5849005435200	, MET	12/1965	65m	DDH		N		
✓ 3626	BLUE TIER ANCHOR M 24V	, 32	, 84151	5849005435200	, MET	12/1965	104m	DDH		N		
✓ 3627	BLUE TIER ANCHOR M 23D	, 32	, 84151	5849005435200	, MET	12/1965	55m	DDH		N		
X 3628	BLUE TIER ANCHOR M 22N	, 32	, 84151	5849005435200	, MET	12/1965	57m	DDH		N		
✓ 3629	BLUE TIER ANCHOR M 21G	, 32	, 84151	5849005435200	, MET	12/1965	90m	DDH		N		
✓ 3630	BLUE TIER ANCHOR M 20C	, 32	, 84151	5849005435200	, MET	8/1965	105m	DDH		N		
✓ 3631	BLUE TIER ANCHOR M 19R	, 32	, 84151	5849005435200	, MET	11/1965	68m	DDH		N		
✓ 3632	BLUE TIER ANCHOR M 18U	, 32	, 84151	5849005435200	, MET	11/1965	104m	DDH		N		
✓ 3633	BLUE TIER ANCHOR M 17S	, 32	, 84151	5849005435200	, MET	11/1965	61m	DDH		N		
✓ 3634	BLUE TIER ANCHOR M 16T	, 32	, 84151	5849005435200	, MET	10/1965	84m	DDH		N		
✓ 3635	BLUE TIER ANCHOR M 15L	, 32	, 84151	5849005435200	, MET	10/1965	62m	DDH		N		
✓ 3636	BLUE TIER ANCHOR M 14M	, 32	, 84151	5849005435200	, MET	10/1965	122m	DDH		N		
✓ 3637	BLUE TIER ANCHOR M 13B	, 32	, 84151	5849005435200	, MET	8/1965	66m	DDH		N		
						9/1965	62m	DDH		N		

REF NO;	BOREHOLE NO	QUAD; SHEET;	AMG REF	ACC;PURPOSE;	PLAN	REPORT	LOG LOCN;CORE;	EL OR ML;
		ORGANISATION	DRILLER;	DATE	DEPTH	DRILL	GEOPHYS;	
✓ 3638	BLUE TIER ANCHOR M 12	, 32 , 84151, 5849005435200,	ABERFOYLE	9/1965,	61m, DDH ,		17	Y
✓ 3639	BLUE TIER ANCHOR M 11	, 32 , 84151, 5849005435200,	ABERFOYLE	3/1965,	62m, DDH ,		17	Y
✓ 3640	BLUE TIER ANCHOR M 10	, 32 , 84151, 5849005435200,	ABERFOYLE	3/1965,	61m, DDH ,		17	Y
✓ 3641	BLUE TIER ANCHOR M 9	, 32 , 84151, 5849005435200,	ABERFOYLE	2/1965,	61m, DDH ,		17	Y
✓ 3642	BLUE TIER ANCHOR M 8	, 32 , 84151, 5849005435200,	ABERFOYLE	2/1965,	61m, DDH ,		17	Y
✓ 3643	BLUE TIER ANCHOR M 7	, 32 , 84151, 5849005435200,	ABERFOYLE	2/1965,	61m, DDH ,		17	Y
✓ 3644	BLUE TIER ANCHOR M 6	, 32 , 84151, 5849005435200,	ABERFOYLE	1/1965,	61m, DDH ,		17	Y
✓ 3645	BLUE TIER ANCHOR M 5	, 32 , 84151, 5849005435200,	ABERFOYLE	4/1964,	16m, DDH ,		17	Y
✓ 3646	BLUE TIER ANCHOR M 4	, 32 , 84151, 5849005435200,	ABERFOYLE	3/1964,	15m, DDH ,		17	Y
✓ 3647	BLUE TIER ANCHOR M 3	, 32 , 84151, 5849005435200,	ABERFOYLE	3/1964,	32m, DDH ,		17	Y
✓ 3648	BLUE TIER ANCHOR M 2	, 32 , 84151, 5849005435200,	ABERFOYLE	3/1964,	15m, DDH ,		17	Y
✓ 3649	BLUE TIER ANCHOR M 1	, 32 , 84151, 5849005435200,	ABERFOYLE	3/1964,	15m, DDH ,		17	Y
X 3739	BLUE TIER MAGNET M WP83	, 32 , 84151, 3717005411400,	ELECTROLYTIC ZINC	0/ 0,	171m, DDH ,		20	N
X 3740	BLUE TIER MAGNET M WP84	, 32 , 84151, 3717005411400,	ELECTROLYTIC ZINC	0/ 0,	334m, DDH ,		20	N
X 10212	BT 178 BLUE TIER	, 32 , 84151, 5844005436400,	GOLDFIELDS EXPL	4/1984,	151m, DDH ,	TCR 84-2143	35	EL9/76
X 10213	BT179 BLUE TIER	, 32 , 84151, 5842005436800,	GOLDFIELDS EXPL	4/1984,	121m, DDH ,	TCR 84-2143	35	EL9/76
X 10214	BT180 BLUE TIER	, 32 , 84151, 5822005436800,	GOLDFIELDS EXPL	5/1984,	140m, DDH ,	TCR 84-2143	35	EL9/76
✓ 10395	BT166 BLUE TIER	, 33 , 85154, 5850005437800,	GOLDFIELDS EXPL	7/1983,	240m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10396	BT167 BLUE TIER	, 33 , 85154, 5842005438900,	GOLDFIELDS EXPL	7/1983,	146m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10397	BT168 BLUE TIER	, 33 , 85154, 5843005439000,	GOLDFIELDS EXPL	7/1983,	126m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10398	BT169 BLUE TIER	, 33 , 85154, 5843005439100,	GOLDFIELDS EXPL	7/1983,	147m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10399	BT170 BLUE TIER	, 33 , 85154, 5843005439200,	GOLDFIELDS EXPL	8/1983,	107m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10400	BT171 BLUE TIER	, 33 , 85154, 5851005436200,	GOLDFIELDS EXPL	8/1983,	140m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10401	BT172 BLUE TIER	, 33 , 85154, 5849005436100,	GOLDFIELDS EXPL	8/1983,	141m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10402	BT173 BLUE TIER	, 33 , 85154, 5849005436100,	GOLDFIELDS EXPL	8/1983,	140m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10403	BT174 BLUE TIER	, 33 , 85154, 5851005436100,	GOLDFIELDS EXPL	8/1983,	101m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10404	BT175 BLUE TIER	, 33 , 85154, 5848005435900,	GOLDFIELDS EXPL	8/1983,	80m, DDH ,	TCR 84-2081	35	EL9/76
✓ 10405	BT176 BLUE TIER	, 33 , 85154, 5848005435900,	GOLDFIELDS EXPL	8/1983,	80m, DDH ,	TCR 84-2081	35	EL9/76

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		ORGANISATION	DRILLER;	DATE	DEPTH ;	DRILL	GEOPHYS;
X	10406 BT150 BLUE TIER	, 33, 85154, 5850005437600,	MET		TCR 84-2081	35	EL9/76
		GOLDFIELDS EXPL	PRIV	6/1982,	191m, DDH,	N	
X	10407 BT177 BLUE TIER	, 33, 85154, 5843005437700,	MET		TCR 84-2081	35	EL9/76
		GOLDFIELDS EXPL	PRIV	9/1983,	200m, DDH,	N	
X	10894 BT90 BLUE TIER	, 32, 84151, 5842005438900,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1980,	182m, DDH,	N	
✓	10895 BT95 BLUE TIER	, 32, 84151, 5842005438900,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	8/1980,	212m, DDH,	N	
✓	10896 BT112 BLUE TIER	, 32, 84151, 5842005439100,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	2/1981,	146m, DDH,	N	
✓	10897 BT113 BLUE TIER	, 32, 84151, 5842005439000,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	2/1981,	180m, DDH,	N	
✓	10898 BT114 BLUE TIER	, 32, 84151, 5842005438900,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	2/1981,	201m, DDH,	N	
⊗	10899 BT146 BLUE TIER	, 32, 84151, 5830005439500,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	5/1982,	96m, DDH,	N	
X	10900 BT147 BLUE TIER	, 32, 84151, 5832005439600,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1982,	116m, DDH,	N	
X	10901 BT148 BLUE TIER	, 32, 84151, 5818005438000,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1982,	104m, DDH,	N	
X	10902 BT149 BLUE TIER	, 32, 84151, 5815005438900,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1982,	100m, DDH,	N	
X	10903 BT151 BLUE TIER	, 33, 85154, 5845005439200,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1982,	102m, DDH,	N	
X	10904 BT152 BLUE TIER	, 33, 85154, 5847005439300,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1982,	99m, DDH,	N	
X	10905 BT153 BLUE TIER	, 33, 85154, 5848005439100,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	6/1982,	94m, DDH,	N	
X	10906 BT154 BLUE TIER	, 33, 85154, 5846005439000,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	7/1982,	102m, DDH,	N	
X	10907 BT155 BLUE TIER	, 33, 85154, 5850005438000,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	7/1982,	100m, DDH,	N	
✓	10908 BT156 BLUE TIER	, 33, 85154, 5847005438700,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	7/1982,	93m, DDH,	N	
X	10909 BT157 BLUE TIER	, 32, 84151, 5814005438700,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	7/1982,	100m, DDH,	N	
X	10910 BT158 BLUE TIER	, 32, 84151, 5816005438400,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	7/1982,	100m, DDH,	N	
X	10911 BT159 BLUE TIER	, 32, 84151, 5803005439800,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	7/1982,	99m, DDH,	N	
X	10912 BT160 BLUE TIER	, 32, 84151, 5806005439500,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	8/1982,	89m, DDH,	N	
X	10913 BT161 BLUE TIER	, 32, 84151, 5817005439200,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	8/1982,	100m, DDH,	N	
X	10914 BT162 BLUE TIER	, 32, 84151, 5819005439000,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	8/1982,	90m, DDH,	N	
✓	10915 BT163 BLUE TIER	, 33, 85154, 5850005436100,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	8/1982,	114m, DDH,	N	
X	10916 BT164 BLUE TIER	, 32, 84151, 5819005437500,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	9/1982,	100m, DDH,	N	
✓	10917 BT165 BLUE TIER	, 33, 85154, 5849005436000,	MET		TCR 82-1888	35	EL9/76
		RENISON LTD	PRIV	9/1982,	100m, DDH,	N	
X	11052 BT42 BLUE TIER	, 33, 85154, 5851005435400,	MET		TCR 82-1792	35	EL9/76
		RENISON LTD	PRIV	8/1982,	140m, DDH,	N	
✓	11053 BT43 BLUE TIER	, 33, 85154, 5851005435600,	MET		TCR 82-1792	35	EL9/76
		RENISON LTD	PRIV	8/1982,	176m, DDH,	N	

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:	:	: ORGANISATION	: DRILLER:	DATE	:DEPTH :	DRILL	:GEOPHYS:	:	:	:	:	:
X	11588	BT115	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	23m,	DDH,	:	N	:	:	:
X	11589	BT116	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	25m,	DDH,	:	N	:	:	:
X	11590	BT117	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	25m,	DDH,	:	N	:	:	:
X	11591	BT118	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	25m,	DDH,	:	N	:	:	:
X	11592	BT119	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	25m,	DDH,	:	N	:	:	:
X	11593	BT120	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	25m,	DDH,	:	N	:	:	:
X	11594	BT121	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	23m,	DDH,	:	N	:	:	:
X	11595	BT122	BLUE TIER	, 33, 85154, 5848005435200,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	25m,	DDH,	:	N	:	:	:
X	11596	BT123	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	63m,	DDH,	:	N	:	:	:
X	11597	BT124	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	63m,	DDH,	:	N	:	:	:
X	11598	BT125	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	63m,	DDH,	:	N	:	:	:
X	11599	BT126	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 3/1981,	63m,	DDH,	:	N	:	:	:
X	11600	BT133	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 4/1981,	63m,	DDH,	:	N	:	:	:
X	11601	BT134	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 4/1981,	63m,	DDH,	:	N	:	:	:
X	11602	BT135	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 4/1981,	63m,	DDH,	:	N	:	:	:
X	11603	BT136	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1595	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 5/1981,	92m,	DDH,	:	N	:	:	:
✓	11609	BT97	BLUE TIER	, 33, 85154, 5852005435600,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 12/1980,	149m,	DDH,	:	N	:	:	:
✓	11610	BT98	BLUE TIER	, 33, 85154, 5851005435500,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 12/1980,	123m,	DDH,	:	N	:	:	:
✓	11611	BT99	BLUE TIER	, 33, 85154, 5850005435500,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 12/1980,	131m,	DDH,	:	N	:	:	:
✓	11612	BT100	BLUE TIER	, 33, 85154, 5851005435400,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 12/1980,	130m,	DDH,	:	N	:	:	:
✓	11613	BT101	BLUE TIER	, 33, 85154, 5851005435300,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	151m,	DDH,	:	N	:	:	:
✓	11614	BT102	BLUE TIER	, 33, 85154, 5850005435400,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	53m,	DDH,	:	N	:	:	:
✓	11615	BT103	BLUE TIER	, 33, 85154, 5849005435400,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	71m,	DDH,	:	N	:	:	:
✓	11616	BT104	BLUE TIER	, 33, 85154, 5849005435300,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	56m,	DDH,	:	N	:	:	:
✓	11617	BT105	BLUE TIER	, 33, 85154, 5847005435300,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	44m,	DDH,	:	N	:	:	:
✓	11618	BT106	BLUE TIER	, 33, 85154, 5850005435300,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	86m,	DDH,	:	N	:	:	:
✓	11619	BT107	BLUE TIER	, 33, 85154, 5851005435200,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	86m,	DDH,	:	N	:	:	:
✓	11620	BT108	BLUE TIER	, 33, 85154, 5850005435300,	, MET	:	TCR 81-1596	:	35	:	:	EL9/76
				:RENISON LIMITED : PRIV	: 1/1981,	71m,	DDH,	:	N	:	:	:

REF NO:	BOREHOLE NO	:QUAD:	SHEET:	AMG REF	:ACC:	PURPOSE:	PLAN :	REPORT	:LOG	LOCN:	CORE:	EL OR ML:
:	:	: ORGANISATION :	: DRILLER :	: DATE :	: DEPTH :	: DRILL :	: GEOPHYS :	:	:	:	:	:
✓ 11621	BT109 BLUE TIER	, 33 , 85154 , 5850005435200 ,	RENISON LIMITED	PRIV	1/1981 ,	101a ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11622	BT110 BLUE TIER	, 33 , 85154 , 5849005435200 ,	RENISON LIMITED	PRIV	2/1981 ,	62m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11623	BT111 BLUE TIER	, 33 , 85154 , 5849005435100 ,	RENISON LIMITED	PRIV	2/1981 ,	89m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11624	BT127 BLUE TIER	, 33 , 85154 , 5848005435200 ,	RENISON LIMITED	PRIV	4/1981 ,	62m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11625	BT128 BLUE TIER	, 33 , 85154 , 5846005435200 ,	RENISON LIMITED	PRIV	4/1981 ,	50m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11626	BT129 BLUE TIER	, 33 , 85154 , 5846005435200 ,	RENISON LIMITED	PRIV	4/1981 ,	83m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11627	BT130 BLUE TIER	, 33 , 85154 , 5845005435300 ,	RENISON LIMITED	PRIV	4/1981 ,	80m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11628	BT131 BLUE TIER	, 33 , 85154 , 5845005435200 ,	RENISON LIMITED	PRIV	4/1981 ,	80m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11629	BT132 BLUE TIER	, 33 , 85154 , 5845005435100 ,	RENISON LIMITED	PRIV	4/1981 ,	44m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11630	BT137 BLUE TIER	, 33 , 85154 , 5849005435100 ,	RENISON LIMITED	PRIV	5/1981 ,	83m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11631	BT138 BLUE TIER	, 33 , 85154 , 5850005435100 ,	RENISON LIMITED	PRIV	5/1981 ,	89m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11632	BT139 BLUE TIER	, 33 , 85154 , 5849005435100 ,	RENISON LIMITED	PRIV	5/1981 ,	80m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11633	BT140 BLUE TIER	, 33 , 85154 , 5851005435100 ,	RENISON LIMITED	PRIV	5/1981 ,	105m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11634	BT141 BLUE TIER	, 33 , 85154 , 5850005435100 ,	RENISON LIMITED	PRIV	5/1981 ,	104m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11635	BT142 BLUE TIER	, 33 , 85154 , 5851005435200 ,	RENISON LIMITED	PRIV	5/1981 ,	131m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11636	BT143 BLUE TIER	, 33 , 85154 , 5850005435200 ,	RENISON LIMITED	PRIV	6/1981 ,	120m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11637	BT144 BLUE TIER	, 33 , 85154 , 5848005435100 ,	RENISON LIMITED	PRIV	6/1981 ,	89m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
✓ 11638	BT145 BLUE TIER	, 33 , 85154 , 5849005435200 ,	RENISON LIMITED	PRIV	6/1981 ,	86m ,	DDH ,	TCR 81-1596	35	:	:	:EL9/76 :
X 12143	BT79 BLUE TIER	, 33 , 85154 , 5849005435200 ,	RENISON LTD	PRIV	4/1980 ,	75m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12144	BT80 BLUE TIER	, 33 , 85154 , 5850005435200 ,	RENISON LTD	PRIV	4/1980 ,	83m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
✓ 12145	BT81 BLUE TIER	, 33 , 85154 , 5851005435600 ,	RENISON LTD	PRIV	5/1980 ,	209m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12146	BT82 BLUE TIER	, 33 , 85154 , 5849005435100 ,	RENISON LTD	PRIV	5/1980 ,	119m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12147	BT83 BLUE TIER	, 33 , 85154 , 5847005435200 ,	RENISON LTD	PRIV	5/1980 ,	40m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12148	BT84 BLUE TIER	, 33 , 85154 , 5847005435300 ,	RENISON LTD	PRIV	5/1980 ,	82m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12149	BT85 BLUE TIER	, 33 , 85154 , 5848005435300 ,	RENISON LTD	PRIV	6/1980 ,	62m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12150	BT86 BLUE TIER	, 33 , 85154 , 5849005435100 ,	RENISON LTD	PRIV	6/1980 ,	77m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12151	BT87 BLUE TIER	, 33 , 85154 , 5848005435100 ,	RENISON LTD	PRIV	6/1980 ,	60m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :
X 12152	BT88 BLUE TIER	, 33 , 85154 , 5848005435200 ,	RENISON LTD	PRIV	6/1980 ,	57m ,	DDH ,	TCR 80-1488	35	:	:	:EL9/76 :

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		ORGANISATION	DRILLER;	DATE ;DEPTH ;	DRILL	GEOPHYS;
X	12153	BT89 BLUE TIER	, 33, 85154,	5846005435200,	MET ;	TCR 80-1488 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1980,	104m, DDH , ; N ;	
X	12154	BT91 BLUE TIER	, 33, 85154,	5850005435100,	MET ;	TCR 80-1488 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1980,	90m, DDH , ; N ;	
X	12155	BT92 BLUE TIER	, 33, 85154,	5850005435400,	MET ;	TCR 80-1488 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1980,	0m, DDH , ; N ;	
✓	12156	BT93 BLUE TIER	, 33, 85154,	5851005435700,	MET ;	TCR 80-1488 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1980,	179m, DDH , ; N ;	
X	12157	BT94 BLUE TIER	, 33, 85154,	5850005435000,	MET ;	TCR 80-1488 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1980,	107m, DDH , ; N ;	
X	12158	BT96 BLUE TIER	, 33, 85154,	5845005435100,	MET ;	TCR 80-1488 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 8/1980,	134m, DDH , ; N ;	
X	12751	BT69 BLUE TIER	, 23, 85154,	5850005435200,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 9/1979,	100m, DDH , ; N ;	
X	12752	BT70 BLUE TIER	, 23, 85154,	5845005434800,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 9/1979,	159m, DDH , ; N ;	
X	12753	BT71 BLUE TIER	, 23, 85154,	5848005435200,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 9/1979,	60m, DDH , ; N ;	
X	12754	BT72 BLUE TIER	, 23, 85154,	5848005435000,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 10/1979,	90m, DDH , ; N ;	
X	12755	BT73 BLUE TIER	, 23, 85154,	5847005435100,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 8/1979,	132m, DDH , ; N ;	
X	12756	BT74 BLUE TIER	, 23, 85154,	5849005435100,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 10/1979,	62m, DDH , ; N ;	
X	12757	BT75 BLUE TIER	, 23, 85154,	5847005435500,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 8/1979,	57m, DDH , ; N ;	
X	12758	BT76 BLUE TIER	, 23, 85154,	5846005435400,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 10/1979,	51m, DDH , ; N ;	
X	12759	BT77 BLUE TIER	, 23, 85154,	5846005435400,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 10/1979,	57m, DDH , ; N ;	
X	12760	BT78 BLUE TIER	, 23, 85154,	5856005435600,	MET ;	TCR 80-1418 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 10/1979,	225m, DDH , ; N ;	
X	13178	BT68 BLUE TIER	, 33, 85154,	5850005435400,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1978,	101m, DDH , ; N ;	
X	13179	BT67 BLUE TIER	, 33, 85154,	5850005435400,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1978,	80m, DDH , ; N ;	
X	13180	BT66 BLUE TIER	, 33, 85154,	5850005435300,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1978,	81m, DDH , ; N ;	
X	13181	BT65 BLUE TIER	, 33, 85154,	5850005435300,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1978,	92m, DDH , ; N ;	
X	13182	BT64 BLUE TIER	, 33, 85154,	5850005435300,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 7/1978,	102m, DDH , ; N ;	
X	13183	BT63 BLUE TIER	, 33, 85154,	5851005435300,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1978,	90m, DDH , ; N ;	
X	13184	BT62 BLUE TIER	, 33, 85154,	5851005435400,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1978,	152m, DDH , ; N ;	
X	13185	BT61 BLUE TIER	, 33, 85154,	5851005435300,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1978,	123m, DDH , ; N ;	
X	13186	BT60 BLUE TIER	, 33, 85154,	5851005435300,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1978,	147m, DDH , ; N ;	
X	13187	BT59 BLUE TIER	, 33, 85154,	5847005435200,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1978,	57m, DDH , ; N ;	
X	13188	BT58 BLUE TIER	, 33, 85154,	5846005435100,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 6/1978,	102m, DDH , ; N ;	
X	13189	BT57 BLUE TIER	, 33, 85154,	5846005435200,	MET ;	TCR 78-1314 ; 35 ; ;EL9/76 ;
			RENISON LTD	PRIV ; 5/1978,	99m, DDH , ; N ;	

REF NO;	BOREHOLE NO	:QUAD; SHEET;	AMG REF	:ACC;PURPOSE; PLAN ;	REPORT	:LOG LOCN;CORE;EL OR ML;
:	:	: ORGANISATION	:DRILLER;	DATE	DEPTH ;	DRILL ;GEOPHYS;
X	13190	BT56 BLUE TIER	, 33, 85154, 5847005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 5/1978,	58m, DDH ,	: N :
X	13191	BT55 BLUE TIER	, 33, 85154, 5847005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 5/1978,	67m, DDH ,	: N :
X	13192	BT54 BLUE TIER	, 33, 85154, 5848005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 5/1978,	93m, DDH ,	: N :
X	13193	BT53 BLUE TIER	, 33, 85154, 5849005435300,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 5/1978,	63m, DDH ,	: N :
X	13194	BT52 BLUE TIER	, 33, 85154, 5849005435300,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 5/1978,	242m, DDH ,	: N :
X	13195	BT51 BLUE TIER	, 33, 85154, 5849005435300,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 4/1978,	229m, DDH ,	: N :
✓	13196	BT50 BLUE TIER	, 33, 85154, 5852005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	155m, DDH ,	: N :
X	13197	BT49 BLUE TIER	, 33, 85154, 5847005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	116m, DDH ,	: N :
X	13198	BT48 BLUE TIER	, 33, 85154, 5851005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	194m, DDH ,	: N :
X	13199	BT47 BLUE TIER	, 33, 85154, 5845005435000,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	105m, DDH ,	: N :
X	13200	BT46 BLUE TIER	, 33, 85154, 5847005435300,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	162m, DDH ,	: N :
X	13201	BT45 BLUE TIER	, 33, 85154, 5847005435100,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	114m, DDH ,	: N :
X	13202	BT44 BLUE TIER	, 33, 85154, 5849005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	114m, DDH ,	: N :
X	13203	BT41 BLUE TIER	, 33, 85154, 5849005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 11/1977,	114m, DDH ,	: N :
X	13204	BT40 BLUE TIER	, 33, 85154, 5850005435600,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 10/1977,	119m, DDH ,	: N :
X	13205	BT1A BLUE TIER	, 33, 85154, 5850005435600,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 1/1968,	244m, DDH ,	: N :
X	13206	BT39 BLUE TIER	, 33, 85154, 5852005435300,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 4/1966,	92m, DDH ,	: N :
X	13207	BT38 BLUE TIER	, 33, 85154, 5852005435500,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 3/1966,	170m, DDH ,	: N :
X	13208	BT37 BLUE TIER	, 33, 85154, 5852005435200,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 3/1966,	113m, DDH ,	: N :
X	13209	BT36 BLUE TIER	, 33, 85154, 5852005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 0/1966,	144m, DDH ,	: N :
✓	13210	BT35 BLUE TIER	, 33, 85154, 5851005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 2/1966,	186m, DDH ,	: N :
✓	13211	BT34 BLUE TIER	, 33, 85154, 5846005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 2/1966,	62m, DDH ,	: N :
✓	13212	BT33 BLUE TIER	, 33, 85154, 5847005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 2/1966,	52m, DDH ,	: N :
X	13213	BT32 BLUE TIER	, 33, 85154, 5848005435400,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 0/1966,	55m, DDH ,	: N :
X	13214	BT31 BLUE TIER	, 33, 85154, 5850005435100,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 1/1966,	74m, DDH ,	: N :
✓	13215	BT30 BLUE TIER	, 33, 85154, 5850005435500,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 1/1966,	57m, DDH ,	: N :
X	13216	BT29 BLUE TIER	, 33, 85154, 5848005435300,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 1/1966,	49m, DDH ,	: N :
X	13217	BT28 BLUE TIER	, 33, 85154, 5851005435100,	MET	: TCR 78-1314	: 35 : ;EL9/76 ;
			:RENISON LTD	: PRIV : 1/1966,	71m, DDH ,	: N :

REF NO;	BOREHOLE NO	QUAD; SHEET;	AMG REF	ACC; PURPOSE; PLAN ;	REPORT	LOG LOCN; CORE; EL OR ML;
		ORGANISATION	DRILLER;	DATE ;	DEPTH ;	DRILL ; GEOPHYS;
X	13218	BT27 BLUE TIER	, 33, 85154, 5849005435400,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	1/1966, 61m, DDH , ;	N ;	
X	13219	BT26 BLUE TIER	, 33, 85154, 5851005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	12/1965, 62m, DDH , ;	N ;	
X	13220	BT25 BLUE TIER	, 33, 85154, 5851005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	12/1965, 104m, DDH , ;	N ;	
X	13221	BT24 BLUE TIER	, 33, 85154, 5849005435400,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	12/1965, 33m, DDH , ;	N ;	
X	13222	BT23 BLUE TIER	, 33, 85154, 5851005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	12/1965, 99m, DDH , ;	N ;	
	13223	BT22 BLUE TIER	, 33, 85154, 5851005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	12/1965, 90m, DDH , ;	N ;	
X	13224	BT21 BLUE TIER	, 33, 85154, 5852005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	11/1965, 105m, DDH , ;	N ;	
X	13225	BT20 BLUE TIER	, 33, 85154, 5850005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	11/1965, 80m, DDH , ;	N ;	
X	13226	BT19 BLUE TIER	, 33, 85154, 5851005435400,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	11/1965, 104m, DDH , ;	N ;	
X	13227	BT18 BLUE TIER	, 33, 85154, 5850005435400,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	11/1965, 62m, DDH , ;	N ;	
X	13228	BT17 BLUE TIER	, 33, 85154, 5851005435400,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	10/1965, 84m, DDH , ;	N ;	
X	13229	BT16 BLUE TIER	, 33, 85154, 5850005435400,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	10/1965, 63m, DDH , ;	N ;	
X	13230	BT15 BLUE TIER	, 33, 85154, 5850005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	10/1965, 122m, DDH , ;	N ;	
X	13231	BT14 BLUE TIER	, 33, 85154, 5850005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	9/1965, 66m, DDH , ;	N ;	
X	13232	BT13 BLUE TIER	, 33, 85154, 5850005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	9/1965, 62m, DDH , ;	N ;	
X	13233	BT12 BLUE TIER	, 33, 85154, 5849005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	9/1965, 63m, DDH , ;	N ;	
X	13234	BT11 BLUE TIER	, 33, 85154, 5850005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	3/1965, 62m, DDH , ;	N ;	
X	13235	BT10 BLUE TIER	, 33, 85154, 5850005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	3/1965, 61m, DDH , ;	N ;	
X	13236	BT9 BLUE TIER	, 33, 85154, 5850005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	2/1965, 61m, DDH , ;	N ;	
X	13237	BT8 BLUE TIER	, 33, 85154, 5849005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	2/1965, 61m, DDH , ;	N ;	
X	13238	BT7 BLUE TIER	, 33, 85154, 5849005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	2/1965, 61m, DDH , ;	N ;	
X	13239	BT6 BLUE TIER	, 33, 85154, 5849005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	1/1965, 61m, DDH , ;	N ;	
X	13240	BT5 BLUE TIER	, 33, 85154, 5849005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	4/1964, 16m, DDH , ;	N ;	
X	13241	BT4 BLUE TIER	, 33, 85154, 5849005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	3/1964, 15m, DDH , ;	N ;	
X	13242	BT3 BLUE TIER	, 33, 85154, 5849005435300,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	3/1964, 32m, DDH , ;	N ;	
X	13243	BT2 BLUE TIER	, 33, 85154, 5849005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	3/1964, 15m, DDH , ;	N ;	
X	13244	BT1 BLUE TIER	, 33, 85154, 5849005435200,	MET ;	TCR 78-1314 ;	35 ; ;EL9/76 ;
			RENISON LTD ; PRIV ;	3/1964, 16m, DDH , ;	N ;	

↑ DORIS 1643

↓ Location in store

657105

REFRNC: NUMBER :	BOREHOLE NUMBER	STORE LOCATION	RACK NUMBER	DEPTH FROM TO	UNITS	TYPE	TOTAL BOXES
3611	BLUE TIER ANCHOR M 39P	MORNSTOR	M0033	0 260	FEET	DIAM.COR	12
		MORNSTOR	M0034	260 302	FEET	DIAM.COR	
3612	BLUE TIER ANCHOR M 38II	MORNSTOR	M0032	346 369	FEET	DIAM.COR	21
		MORNSTOR	M0033	0 557	FEET	DIAM.COR	
3613	BLUE TIER ANCHOR M 37E	MORNSTOR	M0032	206 347	FEET	DIAM.COR	5
3614	BLUE TIER ANCHOR M 36GG	MORNSTOR	M0032	0 473	FEET	DIAM.COR	17
3615	BLUE TIER ANCHOR M 35HH	MORNSTOR	M0031	0 409	FEET	DIAM.COR	21
		MORNSTOR	M0032	409 609	FEET	DIAM.COR	
3616	BLUE TIER ANCHOR M 34EE	MORNSTOR	M0031	0 201	FEET	DIAM.COR	7
3617	BLUE TIER ANCHOR M 33DD	MORNSTOR	M0031	0 171	FEET	DIAM.COR	6
3618	BLUE TIER ANCHOR M 32BB	MORNSTOR	M0031	124 179	FEET	DIAM.COR	2
3620	BLUE TIER ANCHOR M 30W	MORNSTOR	M0030	0 186	FEET	CUTTINGS	5
3621	BLUE TIER ANCHOR M 29CC	MORNSTOR	M0030	0 160	FEET	DIAM.COR	5
3622	BLUE TIER ANCHOR M 28K	MORNSTOR	M0030	0 231	FEET	DIAM.COR	6
3623	BLUE TIER ANCHOR M 27FF	MORNSTOR	M0029	0 99	FEET	DIAM.COR	7
		MORNSTOR	M0030	99 200	FEET	DIAM.COR	
3624	BLUE TIER ANCHOR M 26G	MORNSTOR	M0029	0 213	FEET	DIAM.COR	6
3625	BLUE TIER ANCHOR M 25-D	MORNSTOR	M0029	5 340	FEET	DIAM.COR	11
3626	BLUE TIER ANCHOR M 24V	MORNSTOR	M0029	0 181	FEET	DIAM.COR	5
3627	BLUE TIER ANCHOR M 23D	MORNSTOR	M0028	42 215	FEET	DIAM.COR	11
		MORNSTOR	M0029	215 325	FEET	DIAM.COR	
3629	BLUE TIER ANCHOR M 21Q	MORNSTOR	M0027	0 119	FEET	DIAM.COR	14
		MORNSTOR	M0028	119 309	FEET	DIAM.COR	
3630	BLUE TIER ANCHOR M 20C	MORNSTOR	M0027	0 222	FEET	DIAM.COR	7
3631	BLUE TIER ANCHOR M 19R	MORNSTOR	M0027	0 342	FEET	DIAM.COR	13
3632	BLUE TIER ANCHOR M 18U	MORNSTOR	M0027	46 200	FEET	DIAM.COR	6
3633	BLUE TIER ANCHOR M 17S	MORNSTOR	M0026	0 243	FEET	DIAM.COR	10
		MORNSTOR	M0027	243 275	FEET	DIAM.COR	
3634	BLUE TIER ANCHOR M 16T	MORNSTOR	M0026	47 205	FEET	DIAM.COR	5
3635	BLUE TIER ANCHOR M 15L	MORNSTOR	M0026	50 400	FEET	DIAM.COR	13
3636	BLUE TIER ANCHOR M 14M	MORNSTOR	M0025	64 104	FEET	DIAM.COR	5
		MORNSTOR	M0026	104 210	FEET	DIAM.COR	
3637	BLUE TIER ANCHOR M 13B	MORNSTOR	M0025	70 204	FEET	DIAM.COR	5
3638	BLUE TIER ANCHOR M 12	MORNSTOR	M0025	75 206	FEET	DIAM.COR	5
3639	BLUE TIER ANCHOR M 11	MORNSTOR	M0025	32 185	FEET	DIAM.COR	6
3640	BLUE TIER ANCHOR M 10	MORNSTOR	M0025	60 201	FEET	DIAM.COR	6
3641	BLUE TIER ANCHOR M 9	MORNSTOR	M0025	70 199	FEET	DIAM.COR	5
3642	BLUE TIER ANCHOR M 8	MORNSTOR	M0024	34 199	FEET	DIAM.COR	7
		MORNSTOR	M0025	199 200	FEET	DIAM.COR	
3643	BLUE TIER ANCHOR M 7	MORNSTOR	M0024	59 200	FEET	DIAM.COR	6
3644	BLUE TIER ANCHOR M 6	MORNSTOR	M0024	68 200	FEET	DIAM.COR	6
3645	BLUE TIER ANCHOR M 5	MORNSTOR	M0024	0 52	FEET	DIAM.COR	3
3646	BLUE TIER ANCHOR M 4	MORNSTOR	M0024	0 101	FEET	DIAM.COR	4
3647	BLUE TIER ANCHOR M 3	MORNSTOR	M0023	0 66	FEET	DIAM.COR	6
		MORNSTOR	M0024	66 100	FEET	DIAM.COR	
3648	BLUE TIER ANCHOR M 2	MORNSTOR	M0023	0 50	FEET	DIAM.COR	3
3649	BLUE TIER ANCHOR M 1	MORNSTOR	M0023	0 50	FEET	DIAM.COR	3
10395	BT166 BLUE TIER	MORNLOWR	05A01	13 100	METRES	DIAM.COR	28
		MORNLOWR	05A02	100 239	METRES	DIAM.COR	
10396	BT167 BLUE TIER	MORNLOWR	05A02	50 146	METRES	DIAM.COR	13
10397	BT168 BLUE TIER	MORNLOWR	05A03	17 126	METRES	DIAM.COR	14
10398	BT169 BLUE TIER	MORNLOWR	05A03	12 134	METRES	DIAM.COR	17
		MORNLOWR	05A04	134 147	METRES	DIAM.COR	

REFRNC: NUMBER :	BOREHOLE NUMBER	STORE LOCATION	RACK NUMBER	DEPTH FROM ; TO	UNITS	TYPE	TOTAL BOXES
10399	BT170 BLUE TIER	NORNLOWR	05A04	14 107	METRES	DIAM.COR	11
10400	BT171 BLUE TIER	NORNLOWR	05A04	8 140	METRES	DIAM.COR	16
10401	BT172 BLUE TIER	NORNLOWR	05A05	7 139	METRES	DIAM.COR	8
10402	BT173 BLUE TIER	NORNLOWR	05A05	63 139	METRES	DIAM.COR	10
10403	BT174 BLUE TIER	NORNLOWR	05A05	18 140	METRES	DIAM.COR	11
10404	BT175 BLUE TIER	NORNLOWR	05A06	27 101	METRES	DIAM.COR	10
10405	BT176 BLUE TIER	NORNLOWR	05A06	9 65	METRES	DIAM.COR	6
10895	BT95 BLUE TIER	NORNLOWR	04A02	6 86	METRES	DIAM.COR	19
		NORNLOWR	04A03	86 145	METRES	DIAM.COR	
10896	BT112 BLUE TIER	NORNLOWR	04A09	0 146	METRES	DIAM.COR	19
10897	BT113 BLUE TIER	NORNLOWR	04A09	0 57	METRES	DIAM.COR	22
		NORNLOWR	04A10	57 180	METRES	DIAM.COR	
10898	BT114 BLUE TIER	NORNLOWR	04A10	3 113	METRES	DIAM.COR	24
		NORNLOWR	04A11	113 201	METRES	DIAM.COR	
10915	BT163 BLUE TIER	NORNLOWR	05A01	76 114	METRES	DIAM.COR	6
10917	BT165 BLUE TIER	NORNLOWR	05A01	43 100	METRES	DIAM.COR	8
11053	BT43 BLUE TIER	NORNLOWR	04A01	71 155	METRES	DIAM.COR	11
11609	BT97 BLUE TIER	NORNLOWR	04A03	10 150	METRES	DIAM.COR	19
11610	BT98 BLUE TIER	NORNLOWR	04A03	4 25	METRES	DIAM.COR	17
		NORNLOWR	04A04	25 123	METRES	DIAM.COR	
11611	BT99 BLUE TIER	NORNLOWR	04A04	18 128	METRES	DIAM.COR	16
		NORNLOWR	04A05	128 131	METRES	DIAM.COR	
11612	BT100 BLUE TIER	NORNLOWR	04A05	21 130	METRES	DIAM.COR	15
11613	BT101 BLUE TIER	NORNLOWR	04A05	0 112	METRES	DIAM.COR	19
		NORNLOWR	04A06	112 151	METRES	DIAM.COR	
11614	BT102 BLUE TIER	NORNLOWR	04A06	18 53	METRES	DIAM.COR	5
11615	BT103 BLUE TIER	NORNLOWR	04A06	8 71	METRES	DIAM.COR	9
11616	BT104 BLUE TIER	NORNLOWR	04A06	9 56	METRES	DIAM.COR	7
11617	BT105 BLUE TIER	NORNLOWR	04A06	0 14	METRES	DIAM.COR	6
		NORNLOWR	04A07	14 44	METRES	DIAM.COR	
11618	BT106 BLUE TIER	NORNLOWR	04A07	15 86	METRES	DIAM.COR	10
11619	BT107 BLUE TIER	NORNLOWR	04A07	14 86	METRES	DIAM.COR	10
11620	BT108 BLUE TIER	NORNLOWR	04A07	24 68	METRES	DIAM.COR	6
		NORNLOWR	04A08	68 71	METRES	DIAM.COR	
11621	BT109 BLUE TIER	NORNLOWR	04A08	12 101	METRES	DIAM.COR	13
11622	BT110 BLUE TIER	NORNLOWR	04A08	2 62	METRES	DIAM.COR	9
11623	BT111 BLUE TIER	NORNLOWR	04A08	12 56	METRES	DIAM.COR	11
		NORNLOWR	04A09	56 89	METRES	DIAM.COR	
11624	BT127 BLUE TIER	NORNLOWR	04A11	3 62	METRES	DIAM.COR	8
11625	BT128 BLUE TIER	NORNLOWR	04A11	3 50	METRES	DIAM.COR	7
11626	BT129 BLUE TIER	NORNLOWR	04A11	0 13	METRES	DIAM.COR	12
		NORNLOWR	04A12	13 83	METRES	DIAM.COR	
11627	BT130 BLUE TIER	NORNLOWR	04A12	25 80	METRES	DIAM.COR	8
11628	BT131 BLUE TIER	NORNLOWR	04A12	3 80	METRES	DIAM.COR	10
11629	BT132 BLUE TIER	NORNLOWR	04A12	2 10	METRES	DIAM.COR	6
		NORNLOWR	04A13	10 44	METRES	DIAM.COR	
11630	BT137 BLUE TIER	NORNLOWR	04A13	10 83	METRES	DIAM.COR	11
11631	BT138 BLUE TIER	NORNLOWR	04A13	13 89	METRES	DIAM.COR	11
11632	BT139 BLUE TIER	NORNLOWR	04A13	13 26	METRES	DIAM.COR	10
		NORNLOWR	04A14	26 80	METRES	DIAM.COR	
11633	BT140 BLUE TIER	NORNLOWR	04A14	18 105	METRES	DIAM.COR	12
11634	BT141 BLUE TIER	NORNLOWR	04A14	15 82	METRES	DIAM.COR	12
		NORNLOWR	04A15	82 104	METRES	DIAM.COR	

REFRNC NUMBER	BOREHOLE NUMBER	STORE LOCATION	RACK NUMBER	DEPTH FROM	TO	UNITS	TYPE	TOTAL BOXES
11635	BT142 BLUE TIER	MORNLOWR	04A15	9	130	METRES	DIAM.COR	17
11636	BT143 BLUE TIER	MORNLOWR	04A15	9	74	METRES	DIAM.COR	16
		MORNLOWR	04A16	74	120	METRES	DIAM.COR	
11637	BT144 BLUE TIER	MORNLOWR	04A16	0	89	METRES	DIAM.COR	13
11638	BT145 BLUE TIER	MORNLOWR	04A16	0	68	METRES	DIAM.COR	12
		MORNLOWR	05A01	68	86	METRES	DIAM.COR	
12145	BT81 BLUE TIER	MORNLOWR	04A01	75	97	METRES	DIAM.COR	13
		MORNLOWR	04A02	97	171	METRES	DIAM.COR	
12156	BT93 BLUE TIER	MORNLOWR	04A02	106	166	METRES	DIAM.COR	8
13196	BT50 BLUE TIER	MORNLOWR	04A01	58	124	METRES	DIAM.COR	9
13210	BT35 BLUE TIER	MORNSTOR	M0031	0	5	FEET	DIAM.COR	1
13211	BT34 BLUE TIER	MORNSTOR	M0031	0	37	FEET	DIAM.COR	1
13223	BT22 BLUE TIER	MORNSTOR	M0028	0	295	FEET	DIAM.COR	14
		MORNSTOR	M0028	0	25	FEET	DIAM.COR	
		MORNSTOR	M0028	0	60	FEET	DIAM.COR	

Blue Tier Core — L. Newham 29.5.92

- (1) RGC core store at Burnie — regional core plus Anchor core
- (2) Stored outside at Anchor — Anchor core: recent
- (3) Revision Mine — regional plus early Anchor.

1960's Aberfoyle core goes up to Hole Number BT41 but L.N. never saw any of it, only logs. Presumed lost.

Some 30 of the Anchor holes were large diameter (PQ) drilled at 3 sites in groups of 10 to collect metallurgical samples — these no longer exist, having been used up during testing.

One hole at Moon is of interest. Core from top of Blue Tier is of regional interest. Need several holes from mine to show variation in style of mineralisation. Some holes were deep & intersected gneiss at levels well below the mine.

Note: Phone call to Phil Utley — Burnie core shifted to Zeehan. He will FAX a copy of the hole numbers for Blue Tier that they hold.

Phone call to Bruce McQuitty — Their core storeman (Mike Phelan) will FAX a list of their Blue Tier core numbers next week.

Anchor Core — ① RIGC — regional + Anchor store at Burnie  
— ② some stacked outside at Anchor.  
— Anchor.

Revision Ltd — probably early regional +  
③ some Anchor

Aberfoyle Hole — go up to Hole 41 — L. Newnham never saw any Aberfoyle core.

Hole 42 onwards — mixture of Anchor + Blue Tier Plateau

≈ 30<sup>holes</sup> were PQ for metallurgical purposes 3 sites ≈ 10 holes each — these holes are now gone i.e. for metallurgical purposes.

— One hole at Moon ~~is~~ of interest

— Plateau core of interest from regional aspect.

— Mine holes — variation in style in mineralisation around mine. Some deep holes (several hundred m's) intersected deeper greases.

85-2483 — relinquishment

1976-78 2 x DDH's BT 40 + 40 500m NW of Poim.  
at Southern Cross / Halley's workings — low tin  
grades 78-1314

1978-1980 2 x DDH's BT 70 + 78 in vicinity of Anchor  
Mine 78-1269, 80-1418.

1980-82 5 x DDH's BT 90, 95, 112-114 at Moon Mine.  
BT 90 intersected 16m of 0.6% Sw, other holes were  
barrow.

1982-1984 Percussion & DDH's (BT 146-165) completed at  
various localities — no buried cupolas found  
but might exist in some places

4 Holes at Moon (BT 167-170) — disappointing

8 Holes (BT 166, 171-177) <sup>various places</sup> — only unmineralised gneiss

3 Holes (BT 178-180) — near Goughs Lode, North

Liberator — both <sup>N</sup>/<sub>W</sub> of Lottah — intersected Sw poor gneiss.

77-1204

M. Lyell Mining &amp; Railway Co. Ltd.

1904-1907 : BT 3A-6 Crystal Hill (ins) to Perennial (i-N)

1964-1967 (Abarfoyle) mostly NE of Anchor open cut BT 8, 9.

Note 8 x DDH at Halley's Working 1904-1906 (DDH 1-8) Lyell  
DDH 1-39 at Anchor 1965-66 Abarfoyle

88-2835 Anchor feasibility RL 8713  
microfilm. 26.5.82.

ANCHOR DRILL CORE - Message from RSB on  
6.2.92 to phone RGC on this matter.  
Phoned Colin Cannard (004 731203) on 7.2.92

- 1.) RGC is holding about 15000m of core from Anchor and wants to get rid of it. Say 100 holes at say 150m (average).
- 2.) Colin Cannard has discussed with Mick McEwan and was agreed to keep two type section holes.
- 3.) Wants us to make a decision on the rest by end of March.
- 4.) NST will discuss matter further with Mick McEwan.
- 5.) Mick McEwan works one day per week at Lyell (contact Murray Flitcroft, 004 71 1111) and one day per week at Savage River Mine.

Colin Cannard  
004 731203

Mick McEwan

Anchor Drill Core

Nic, please see me  
Ralph

Cartwright  
Cartright

Anchor references.

Ross, A.F., 1981

● Aberkyle Tin from 64

EL 9/26

88-2835 feasibility

82-188 Summarises expl. drilling 1981-82

● ~~1000 x 500~~ 356 000 x 500

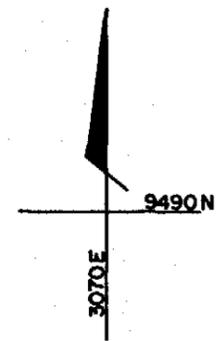
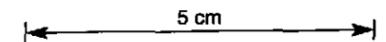
178,000,000



HOLE NO. BT 146

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



9503-3N  
3096-8E



PLAN

731.9m

724.6m

DIP PROFILE

653.6m

649.7m

635.7m

657114

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 146

Page:1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	7			SOIL, STRONGLY WEATHERED POIMENA ADAMELLITE.														
7	78.25			WEATHERED TO FRESH POIMENA. VARIABLY BUT WEAKLY ALTERED AND UNUSUALLY FINE GRAINED.														
78.25	81.95			PATCHY, WEAKLY DEVELOPED GREISENISED POIMENA WITH NUMEROUS PEGMATITES.														
81.95	96.20			FRESH AND WEAKLY ALTERED FINE GRAINED POIMENA.														
				DETAILED LOG														
				0-7 SOIL AND STRONGLY WEATHERED POIMENA ADAMELLITE.														
0	7	7		Yellow-brown clay containing crystals of quartz, feldspar and biotite, the feldspar weathered to white clays.														
				7-78.25 WEATHERED TO FRESH WEAKLY ALTERED POIMENA.														
7	19	12		Consolidated light yellow-brown clay with abundant fragments of quartz, biotite and feldspar. The biotite is dark-brown-black and the feldspar, weathered to clays which are often several cm. in size.														
19	34	15		Large feldspar, phenocrysts( up to 3cm.), partially weathered/ altered to white clay, show a pale pink colouration. Quartz forms small phenocrysts, biotite - small dark flakes and pale green, platy sericite together with the pinkening of feldspar becomes more abundant below 37m, grading into the contact below.														
34	42.5	8.5		Light brown-grey granite with fresh unaltered/unweathered feldspar. Green sericite and pink tinged feldspar are common.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T.146

Page:2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				Muscovite is absent and biotite forms small black grains.														
42.50	43.50	1.0	100	Weakly porphyritic, medium-fine grained pinkish-grey granite. Small (2.3cm) pegmatite consisting of layers of quartz and feldspar at 49.20m. Fracturing with sericite coating the fracture and as a replacement mineral becomes more abundant towards lower contact.														
43.50	44.15	0.65	100	Strongly fractured with clays and iron staining on joints. Sericite replacement is common, as are thin pegmatites.														
44.15	44.70	0.55	100	Pink-grey, medium grained, weakly porphyritic granite. Weakly fractured. Large (4-5cm) "mafic clots" of very fine grained biotite dominated rounded xenoliths. Small granis of yellow sericite and a quartz veinlet (20°C) at 44.20.														
44.70	44.80	0.10	100	10 cm pegmatite consisting of 2 cm crystals of feldspar and quartz with rare, small dark biotites.														
44.80	46.90	2.10	100	Medium and fine grained pink-grey granite. Porphyritic with large feldspar phenocrysts in places. Very weakly and unaltered.														
46.90	47.10	0.20	100	Fine grained, non-porphyritic version of above. Crudely layered.														
47.10	50.35	3.25	100	Slightly pink-grey, slightly porphyritic medium to fine grained granit. Yellow sericite grains, minor red hematite and abundant small dark biotites. Rare fractures are yellow sericite clay coated.														
50.35	53.60	3.25	100	Medium to dark grey granite. Medium grained and porphyritic, with feldspar phenocrysts up to 1.5cm in diameter. Occasional														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 146

Page: 3

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				fractures are sericite coated. Minor yellow sericite replacement of biotite. Coarse grained quartz vein (70° CA), 1cm thick at 50.45m.														
53.60	53.80	0.20	100	Strongly sericitic. The yellow-green mineral is abundant both as a replacement alteration and as a fracture coating.														
53.80	56.90	3.10	100	Slightly pink-grey granite. Fine-medium grained, weakly porphyritic and only slightly fractured. Slickensides developed.														
56.90	59.90	3.00	100	Loss of pink colouration. Small, mafic xenoliths (up to 1cm diameter) - rounded, micaceous. Fractured, but no mineral coatings.														
59.90	60.10	0.20	100	Increase in pink colour. Offset by decrease in modal biotite. This surrounds a 2cm wide (20°CA) zone of strongly altered granite.														
60.10	71.20	11.10	100	Grey granite. Medium-fine grained and slightly porphyritic. Yellow-green sericite replacing some micas and feldspars, also occurs as a fracturing coating. Rare large (3-4cm) mafic xenoliths.														
71.20	73.85	2.65	100	Grades from above into pink granite. Hematite becomes common and biotite rare. Fracturing increases slightly.														
73.2	77.25	3.40	100	Loss of pink colour and hematite. Medium-fine grained, weakly porphyritic, light grey granite. A 2cm thick, coarse grained quartz-feldspar pegmatite occurs at 76.20.														
77.25	78.25	1.00	100	Pink-grey granite. Moderately fractured with clays developed on fractures. Minor hematite present.														
				78.25-81.95 VARIABLY, OCCASIONALLY STRONGLY ALTERED AND INCIDENTLY PRESENTED POTENTIAL ADAMITE WITH NUMEROUS PEGMATITES														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 146

Page: 4.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
78.25	79.20	0.95	100	Moderately altered pink granite. Moderately fractured with yellow-green sericite replacement common. Fine-grained with fine-medium grained hematite abundant. Many thin (2cm, and 1cm) pegmatites of quartz and feldspar.														
79.20	79.30	0.10	100	Weakly greisenised granite. Original textures preserved. Green sericite is pervasive with a minor pink colouration.														
79.30	81.95	2.65	100	Mixed fine and coarse grained pegmatite with clots of muscovite, abundant sericite, large pink feldspars and quartz. Fractures are few and biotite is rare.														
				81.95-96.20 FRESH AND WEAKLY ALTERED FINE GRAINED POIMENA ADAMELLITE.														
81.95	82.75	0.80	100	Fine-medium grained pink granite with a 2cm thick pegmatite at 82.10, consisting of quartz and phenocrysts of ?tourmaline.														
82.75	84.65	1.90	100	Coarse and fine grained pegmatite. Minor amounts of sericite, muscovite and biotite. Large feldspar phenocrysts are common.														
84.65	85.60	0.95	100	Pink-grey fine grained granite, occasionally reddish, due to hematite. Patches of fine and coarse grained pegmatite.														
85.60	89.00	3.40	100	Pink medium grained quartz granite. Very weakly porphyritic with rare, large (2cm) feldspar phenocrysts. Biotite occurs as small, black flakes. Weakly fractured with sericite coatings. Occasional thin pegmatites (3-4 cm).														
89.00	91.60	2.60	100	Slightly pink medium grained granite. Slightly more porphyritic feldspar phenocrysts are more abundant. Large grains of yellow sericite are present with minor muscovite. Biotite is common. Unfractured a 1cm thick vein (80°C) of sericite and chlorite in a quartz cement, at 90.87.														

5711S





HOLE NO. BT 147

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

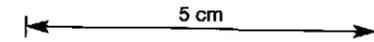
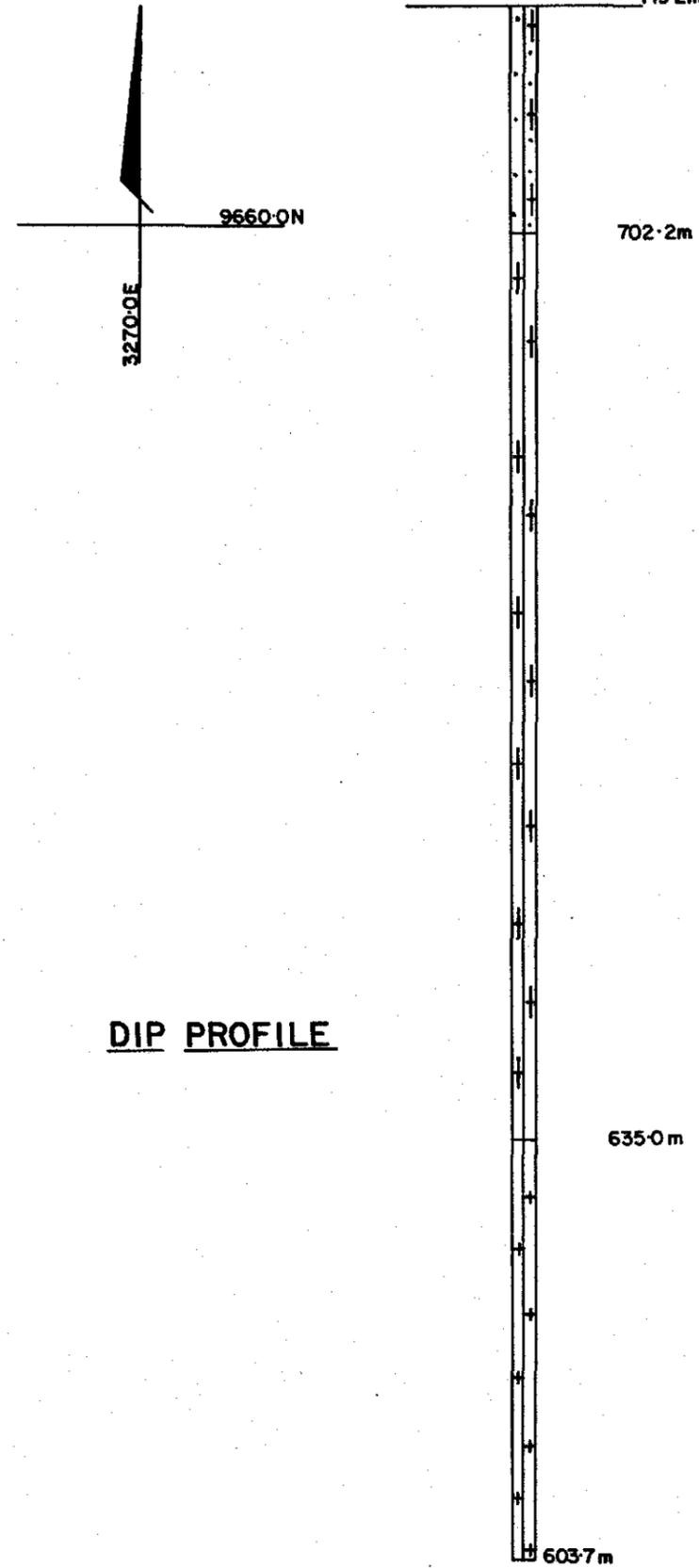
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PLAN



DIP PROFILE

657121

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 147

Page: 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	17			SOIL AND STRONGLY WEATHERED POIMENA ADAMELLITE.														
17	84.60			VARIABLY WEAKLY ALTERED POIMENA ADAMELLITE WITH SEVERAL APLITIC. NUMEROUS PEGMATITIC PHASES.														
84.60	115.55			FRESH AND INCIPIENTLY ALTERED ALKALI GRANITE.														
				DETAILED LOG														
				0-17 SOIL, STRONGLY WEATHERED POIMENA ADAMELLITE.														
0	12	12		Pale brown sand and rock fragments.														
12	17	5		Light brown granite fragments. Feldspars are relatively fresh and muscovite is present red hematite and sericite are rare.														
				17-84.60 PREDOMINANTLY FRESH POIMENA WITH MINOR APLITES AND PEGMATITES.														
17	21	4		White granite fragments. Very-fine crushed.														
21	24	3		Pink chips of feldspar and quartz with minor amounts of biotite and muscovite. A pegmatite.														
24	29	5		Grey granite. Dark brown-black biotites are abundant with large white feldspar phenocrysts. Minor hematite is also present.														
29	40.30	10.30	91	Pink-grey granite. Large pink phenocrysts (up to 3.4cm) of feldspar. Coarse grained, it contains small dark biotites with small grains of yellow sericite and red hematite.														
40.30	40.80	0.50	100	Coarse grained ( 1cm) pegmatite of very pink feldspar and quartz with accessory yellow sericite.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 147

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
40.80	48.95	8.15	100	Pinkish-grey granite, porphyritic and coarse grained with numerous pink feldspar phenocrysts. Relatively unfractured it contains minor sericite and hematite, with patches of increased modal biotite. Pegmatites of medium grained quartz and feldspar with sericitised joints occur between 41.85-41.95 and 43.55-43.65.														
48.95	55.50	6.55	100	Greenish-grey fine-medium grained porphyritic granite. Feldspars have a green tinge. Biotite occurs as fine grained flakes. Numerous thin pegmatites and microcrystalline quartz veins form sinuous features. Several fractures coated with sericite occur.														
55.20	55.80	0.30	100	A 2cm thick pegmatite consisting of feldspar with minor quartz and biotite (10° CA) is underlain by an aplite with thin quartz veinlets. The aplite contains very fine grained quartz with minor feldspar and biotite. This is underlain by a 3cm pegmatite.														
55.80	59.20	3.30	100	Pale green-grey granite, with white feldspar phenocrysts and veinlets of pegmatite and aplite.														
59.20	61.80	2.70	100	Pink granite. Porphyritic and coarse grained, with minor hematite and sericite. Gradational contacts above and below.														
61.80	72.60	10.80	100	Green-grey granite. Very porphyritic in places, with large white-green feldspars up to 4cm. Coarse grained and patches of increased medium-coarse grained modal biotite. Fracturing is weakly developed- some are clay coated.														
72.60	78.10	5.50	100	Pale pink-grey coarse-medium grained porphyritic granite. Several thin medium grained pegmatites and quartz veinlets occur. Pink colour is variable, becoming stronger with more abundant hematite. Sericite content is variable. Between 74.20 and 74.50 a pink medium grained pegmatite surrounds a 5cm thick, horizontal muscovite rich, fine grained aplite.														
78.10	84.55	6.45	100	Green-grey granite with pink tinged feldspar phenocrysts. Biotite														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 147

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				is more abundant than normal. Green sericite is common. Fractures are limonite coated. At 84.50 a 0.5cm layer of coarse grained biotite.														
84.55	84.60	0.05	100	A quartz rich pegmatite, with limonite coated fractures. Micas are uncommon.														
				84.60-115.55 ALKALI GRANITE: PREDOMINANTLY FRESH														
84.60	85.15	0.55	100	Pale green-white, equigranular, non-porphyritic granite. Muscovite rather than biotite is the mica phase. Medium grained.														
85.15	92.65	7.50	100	Variable coloured, bleached white, pale green and orangey-pink granite. The green is due to sericite and an incipiently developing greisenisation, the orangey pink, limonite. Moderately fractured with both limonite and sericite coatings, the fractures are all low CA angles. Between 91.35 and 92.35 a 1cm band (at 0° CA) of strongly sericitised granite surrounded by a 3cm thick zone of strongly, limonitised granite.														
92.65	94.50	1.85	100	Variably coloured, equigranular, medium grained granite with increased fracturing and quartz veinlets (at low CA angles). Granite is fresh.														
94.50	102.75	8.25	100	Alternating (approximately every 0.75m) greenish-white and orange white granite. Very weakly fractured with limonite and sericite coatings.														
102.75	103.35	0.60	100	Orange-white granite, moderately highly fractured with white clay infilling the fractures.														
103.35	107.10	3.75	100	Alternating orangey-white and greenish-white, equigranular, medium grained granite.														
107.10	109.20	2.10	100	Weak orange-white granite with patches of bright green sericite.														

657124

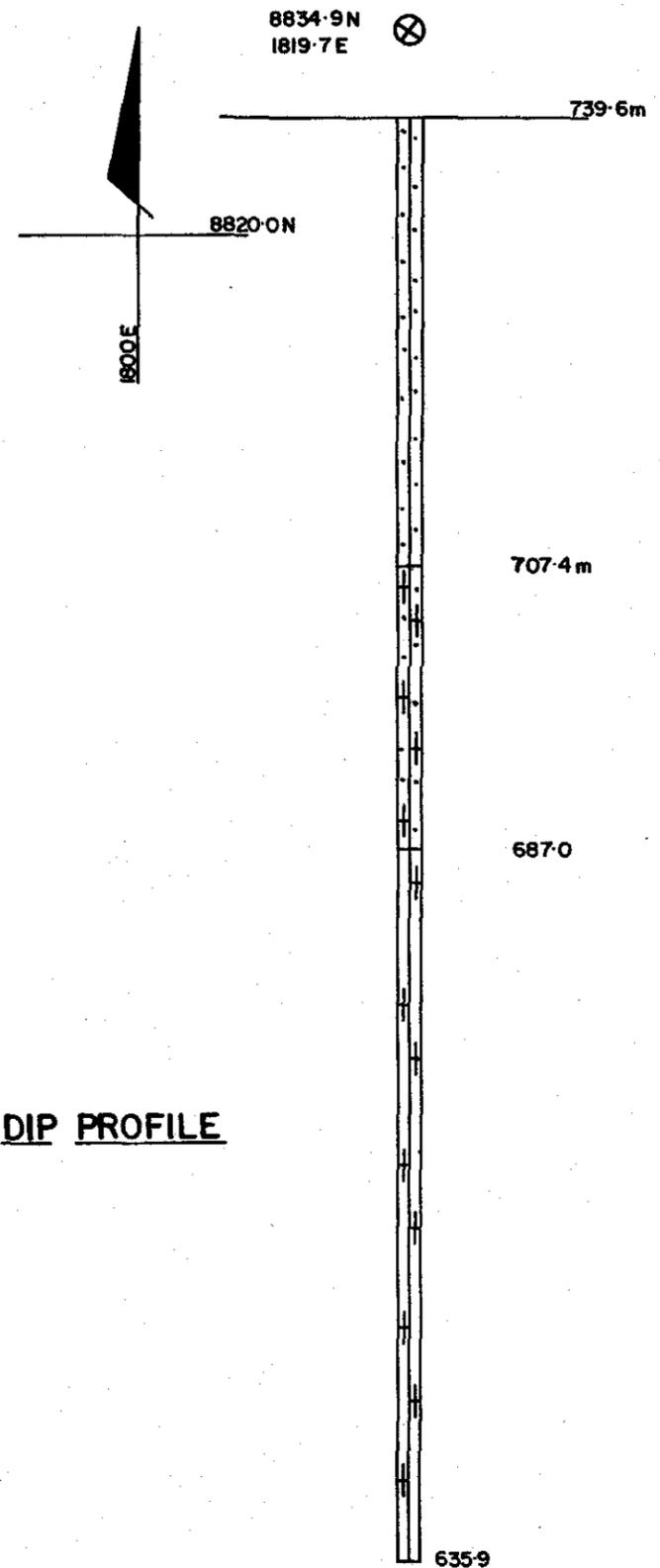
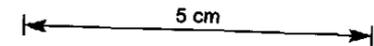




HOLE NO. BT 148

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



PLAN

DIP PROFILE

657127

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 148

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	32			SOIL, CLAY AND WEATHERED POIMENA ADAMELLITE.														
32	52.60			SLIGHTLY WEATHERED POIMENA ADAMELLITE.														
52.60	103.70			POIMENA ADAMELLITE WITH NARROW ZONES EXHIBITING MODERATE ALTERATION, APLITES AND PEGMATITES.														
				DETAILED LOG														
				0-32 SOIL AND DEEPLY WEATHERED ADAMELLITE.														
0	10	10		Brown, coarse grained clayey soil. Weathered white feldspars and black biotites.														
10	22	12		Rock chips, clay and sand; light and dark brown. A few large unaltered feldspar phenocrysts.														
22	29	7		Increased sand component. Some feldspars are pink. Dark brown fragments - still soil.														
29	32	3		Clay content increases to a brown clay layer between 31 and 32 (poor recovery).														
				32-52.6 SLIGHTLY WEATHERED ADAMELLITE.														
32	49	17		Pink-brown weathered granite. Minor clay and sand fraction. Feldspars are both white and pink - unweathered. A clay-rich seam occurs between 40 and 42.														
49	52.60	3.60		Orangey-grey porphyritic granite. Coarse grained with few joints and minor sericite patches. Thin pegmatites and limonite staining are common.														

657125

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 148

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				52.60-103.70 POIMENA ADAMELLITE, VARIABLY WEAKLY ALTERED WITH PEGMATITES AND APLITES.														
52.60	56.30	3.70	100	Grey porphyritic, coarse grained granite. 2-3cm white feldspar phenocrysts, coarse grained, black biotites "books" and xenoliths of mafic crystals-fine grained biotites, 2-3cm wide. Unfractured.														
56.30	56.60	0.30	100	A 8cm thick coarse grained pegmatite of feldspar-quartz and rare biotite, at 75°C. Underlain by 7cm quartz vein-massive quartz with rare feldspars and biotites. Underlain by 15cm mixed fine and coarse grained pegmatite similar to the one above.														
56.60	58.95	2.35	100	Orangey-grey porphyritic granite. Limonite stained quartz (small phenocrysts - 0.5cm) and patches of light green sericite. A 0.3cm (70°C) quartz veinlet at 58.85.														
58.95	63.85	4.90	100	Pink-grey porphyritic, coarse grained granite with rare patches of yellow-green sericite. Very thin quartz veinlets infilling fractures gives way to sericite infillings with increased fracturing grading downwards. Between 60.45 and 60.85, 20cm. of soft highly fractured, strongly sericitised granite: underlain by 20cm of unfractured, coarse grained, pink pegmatite.														
63.85	65.65	1.50	84	Very coarse grained pinkish granite. Crumbly with abundant light to green sericite. Subhorizontal, parallel, closely spaced, thin sericite filled fractures and quartz veinlets. Biotite is uncommon.														
65.65	69.55	3.90	100	Coarse grained pink granite. Competent with few fractures or quartz veinlets. Much biotite. A few subhorizontal layers of 1-2mm thick veinlets of quartz, sericite and ?chlorite.														
69.55	73.15	3.60	100	Pink granite, coarse grained with large (1cm) patches of pale green sericite. Fractures increase locally to produce crumbly rock (sericite coated fractures) and between 70.90 and 70.95														

657129

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 148

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				a very fine grained, sub-horizontal aplite of quartz-feldspar-muscovite.														
73.15	75.00	1.85	100	Very faint pink-greenish-grey granite. Quartz veining and fractures are absent or rare, as are sericite patches. A few large (5cm) xenoliths of quartz-feldspar-numerous small biotites ("mafic clots") are present.														
75.00	81.35	6.35	100	Green-dark grey granite. Large feldspar phenocrysts are green-white. Green colour fades with depth as does sericite and rare "mafic clots". Between 75.00 and 76.80 are numerous, thin parallel (45°CA) veinlets of "black quartz".														
81.35	92.65	11.30	100	Pale grey granite, biotite poor and coarse-medium grained. Feldspar phenocrysts are off-white and quartz is grey. Modal biotite increases with depth. Between 90.80 and 90.85 a coarse grained quartz-feldspar-rare biotite pegmatite.														
92.65	94.60	1.95	100	Grey-granite with slightly pink feldspar phenocrysts. Between 93.30-93.55 and 94.20 and 94.60, strongly sericitised, pale green, crumbly rock.														
94.60	99.80	5.30	100	Slight pink and green-grey granite. Porphyritic and coarse grained. Aplites fine grained, equigranular, consisting of quartz, feldspar and rare biotite, occur between 98.20-98.30 and 98.50-98.70.														
99.80	103.70	3.90	100	Pinkish-grey granite, coarse grained and porphyritic. Rare, red hematitic horizons.														
				END OF HOLE 103.70														

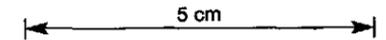
657130



HOLE NO. BT 149

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:

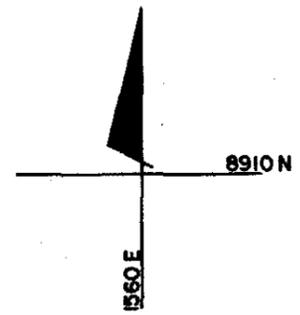


8932.2 N  
1586.8 E



PLAN

746.2m



732.0m

DIP PROFILE



646.2m

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 149 Page:1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	14			WEATHERED POIMENA ADAMELLITE														
14	100			INCIPIENTLY ALTERED POIMENA ADAMELLITE														
				DETAILED LOG														
				0-14 WEATHERED POIMENA ADAMELLITE														
0	6	6		A weathered clayey soil with few rock fragments. Brown colour.														
6	8	2		Weathered brown rock. Very minor clay component, with some sand.														
8	14	6		Slightly weathered grey-brown rock. Feldspars are predominantly unweathered.														
				14-100 INCIPIENTLY ALTERED POIMENA ADAMELLITE														
14	37	23		Grey granite: porphyritic with white feldspar phenocrysts, some altered/weathered to white, clays. Pale green sericite and pale orange limonite stained chips. Coarse grained, with small quartz phenocrysts and numerous small, black biotites.														
37	38	1		Strongly weathered, limonitic, clay rich, light brown rock.														
38	45	7		Light brown-grey granite. Coarse grained and feldspar porphyritic with abundant limonite staining.														
45	67	22		Greenish-grey, coarse grained, porphyritic granite. Limonite staining is rare, sericite as a pale green coating is common. Between 60-64. A distinct red (hematitic?) colouration on feldspar phenocrysts, producing an overall pink-green-grey colour, which grades downwards.														

657133

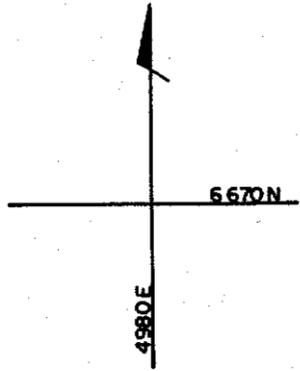




66943 N  
5003-9 E



PLAN



499.6 m R.L.

460.2 m R.L.

HOLE NO. BT 150

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

DIP PROFILE

SCALE 1:



5 CM

328.6 m R.L.

308.6 m R.L.

657136



GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 150

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				0-39 WEATHERED AND SLIGHTLY WEATHERED POIMENA ADAMELLITE.														
0	22	22		Orange-brown weathered granite. Large white feldspar phenocrysts, some weathered to white clays, black biotites and Fe-oxide stained quartz are the main minerals.														
22	26	4		Grey-orange slightly weathered granite. A decrease in the amount of Fe-oxide corresponds to an increase in green sericite.														
26	39	13		Grey granite with slight orange colour. Fe-oxide staining is still common as are weathered feldspar phenocrysts.														
				39-111.50 VARIABLY BUT GENERALLY WEAKLY ALTERED POIMENA ADAMELLITE.														
39	72.70	33.70		Grey porphyritic granite. Feldspar phenocrysts are fresh and white. Sericite is rare, as is Fe-oxide staining. Biotite is present as small aggregates and clusters.														
72.70	84.50	11.80	100	Greenish-grey granite. Moderately porphyritic and medium grained with a few very large (3-4cm) phenocrysts of feldspar, smaller feldspar phenocrysts and small quartz phenocrysts. Mafic dots of fine grained quartz and feldspar with coarse grained biotite occur as small (5-6cm) rounded bodies. Moderately to poorly fractured with sericite in the fractures and increased modally in the rock surrounding them. Minor quartz veinlets also occur randomly throughout. Between 82.20 and 82.95, a 75cm pegmatite of medium grained, equigranular feldspar and quartz occurs. Moderately fractured with light green sericite and traces of fluorite on joint surfaces.														
84.50	88.10	3.60	100	Pale grey granite with only very minor sericite development. Fractures are moderate with minor sericite coatings.														
88.10	94.80	6.70	100	Pale grey-green granite. Weakly porphyritic and medium to														

657137

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 150

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				fine grain size. Still moderately fractured with sericite, quartz and fluorite as infilling minerals. Sericite is moderately developed in the rock.														
94.80	100.20	5.40	100	Grey granite. Fresh, with sericite found only in the vicinity of fractures filled with clays. Poorly fractured and strongly porphyritic with a few minor quartz veinlets.														
100.20	111.50	11.30	100	Greenish-grey granite. Moderately jointed and sericitised except in a few places where increased alteration produces a crumbly, highly fractured, clay-sericite rich rock. Moderate to weakly porphyritic with patches of biotite accumulation. Becomes relatively coarse grained at depth.														
				END OF HOLE 111.50														
				B.T. 150 DEEPENED 2-9-83 to 6-9-83														
111.50	159.0	47.5	100	Grey, medium grained, porphyritic granite. Unaltered apart from a few sericitised fractures. Also, zones of pink hematitic granite occur. Overall, incipiently fractured. A few large (3cm feldspar phenocrysts occur otherwise they are around 2cm long. Smaller (0.5-1cm) phenocrysts of feldspar and quartz are present together with "book biotites" - dark coloured clots of the mica. A few finer-grained phases also exist.  Between 120.0 and 123.0, a zone of highly fractured and moderately sericitised granite occurs. At 126.5, a 30cm fine-medium grained, grey, unaltered aplite. At 152.4, a major vein of white feldspar, colorless quartz and green + brown sericite runs at 0° CA for 1.9m. Accessory purple fluorite occurs and the vein has a narrow, weakly developed silicified halo.														
159.0	171.0	12.0	100	Pale pink-green, grey granite. Medium grained and porphyritic														

657138

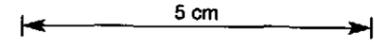




HOLE NO. BT 151

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

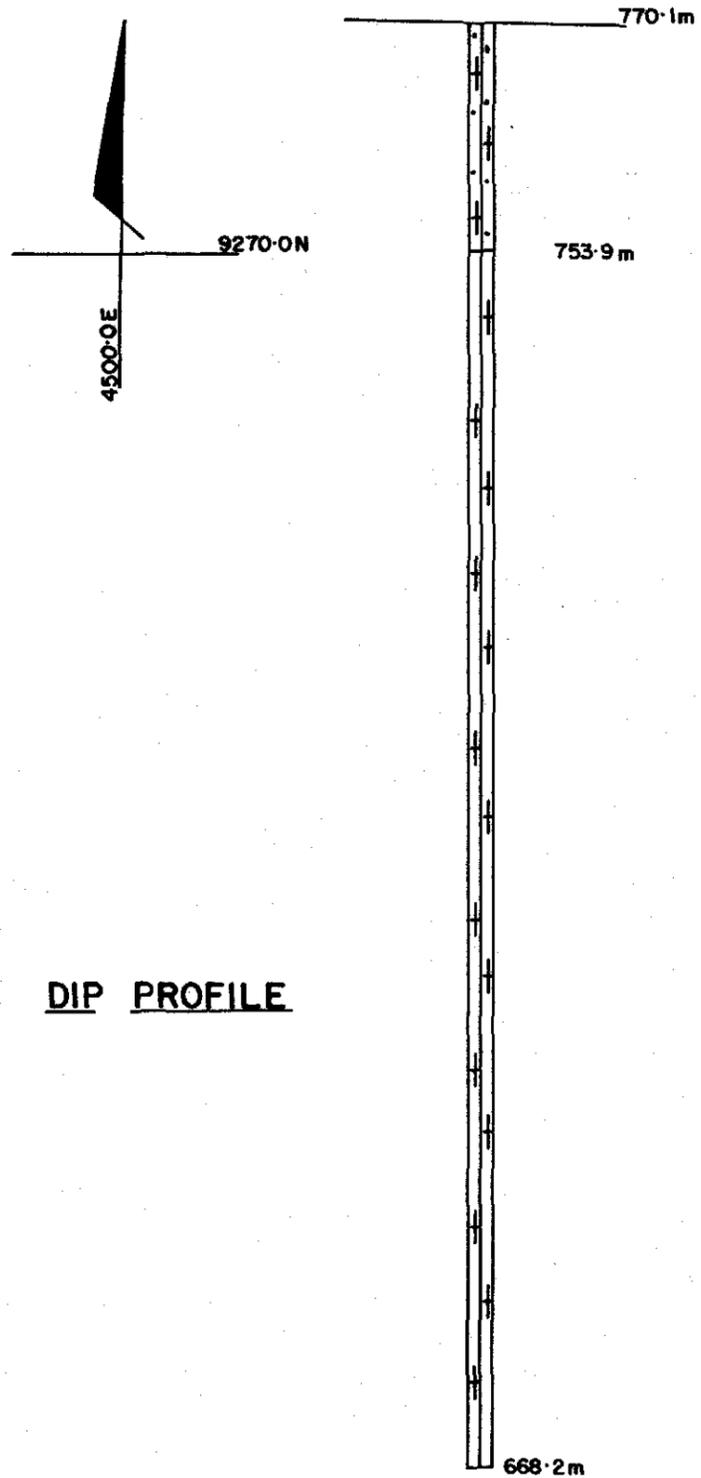
SCALE 1:



9292-1N  
4524-6E



PLAN



DIP PROFILE

657141

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 151

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	16			WEATHERED POIMENA ADAMELLITE														
16	101.90			WEAKLY ALTERED COARSE GRAINED POIMENA ADAMELLITE WITH NUMEROUS PEGMATITES AND OCCASIONAL APLITES.														
				DETAILED LOG:														
				0-16 WEATHERED POIMENA ADAMELLITE														
0	16	16		Brown-orangey grey, weathered granite. Oxidised mafic minerals occur and orange clays replace feldspars (phenocrysts). With depth becomes less weathered and more grey in colour, containing abundant small quartz phenocrysts and many unweathered feldspars.														
				16-101.90 WEAKLY ALTERED POIMENA ADAMELLITE WITH MANY PEGMATITES AND APLITES.														
16	22	6		Light grey, fresh granite with very minor pale orange clays and staining due to weathered. Rare, tiny hematite flakes.														
22	47.60	25.60	100	Dark grey-greenish granite. Medium-coarse grained with large white feldspar phenocrysts (up to 3cm). Smaller quartz phenocrysts and black biotite flakes make the remaining phases. Unfractured.														
47.60	49.20	1.60	100	Biotite rich grey granite, green and pink coloured feldspars. Very coarse grained with biotite occurring as large flakes. Thin pegmatites of quartz, feldspar and biotite are common. Between 48.50 and 49.20, a mixed coarse and fine grained pegmatite of quartz, feldspar and biotite with several muscovite-rich horizons. Pink-green in colour.														
49.20	67.60	18.40	100	Pinkish-green dark grey granite. Coarse grained and porphyritic with patchily distributed biotites. Sericite and hematite are responsible for the green and pink colouration in the														

657142

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T.151

Page:2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				feldspars. Few fractures: thinly coated with green sericitic clays.														
				At 59.15, pyrite occurs as a thin coating on a joint surface.														
				Between 59.25 and 59.85, a monomineralic, cryptocrystalline quartz vein, 1-2cm wide (0° CA).														
				Between 63.50 and 64.20, a medium grained, highly fractured pink feldspar-quartz pegmatite.														
67.60	68.65	1.05	100	Very coarse grained granite, similar to above, but more fractured with numerous pegmatites. Yellow sericite is common, coating fractures.														
68.65	83.35	15.30	100	Predominantly medium grained with rare coarse grained sections. Pale pink, slightly greenish grey granite. Numerous thin pegmatites and aplites occur. Porphyritic, with rare sericite and weakly fractured although local increases to produce zones of incompetent, crumbly rock (usually less than 0-5m) are present.														
83.35	84.65	1.30	100	Mixed phases of granite (slightly altered), quartz-sericite-mica mosaics, and quartz-feldspar-sericite pegmatites, all around 30cm thick.														
84.65	86.70	2.05	100	Pink green granite, porphyritic and coarse grained. Strongly developed sericite and pink feldspar phenocrysts. Unfractured.														
86.70	87.80	1.10	100	Variety of granite, pegmatites and veins of quartz, pink feldspar and sericitised (green) biotites, intergrown. The vein is at 30° CA and is 1cm thick (quartz).														
88.80	101.90	14.10	100	Pink green granite, coarse grained and moderately porphyritic. Sericite occurs as dark and pale green patches, veinlets and fracture coatings. Fracturing is variable - in places the granite is soft and friable, in others totally unfractured.														
				Large black biotites are common.														

657143

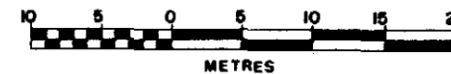




HOLE NO. BT 152

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

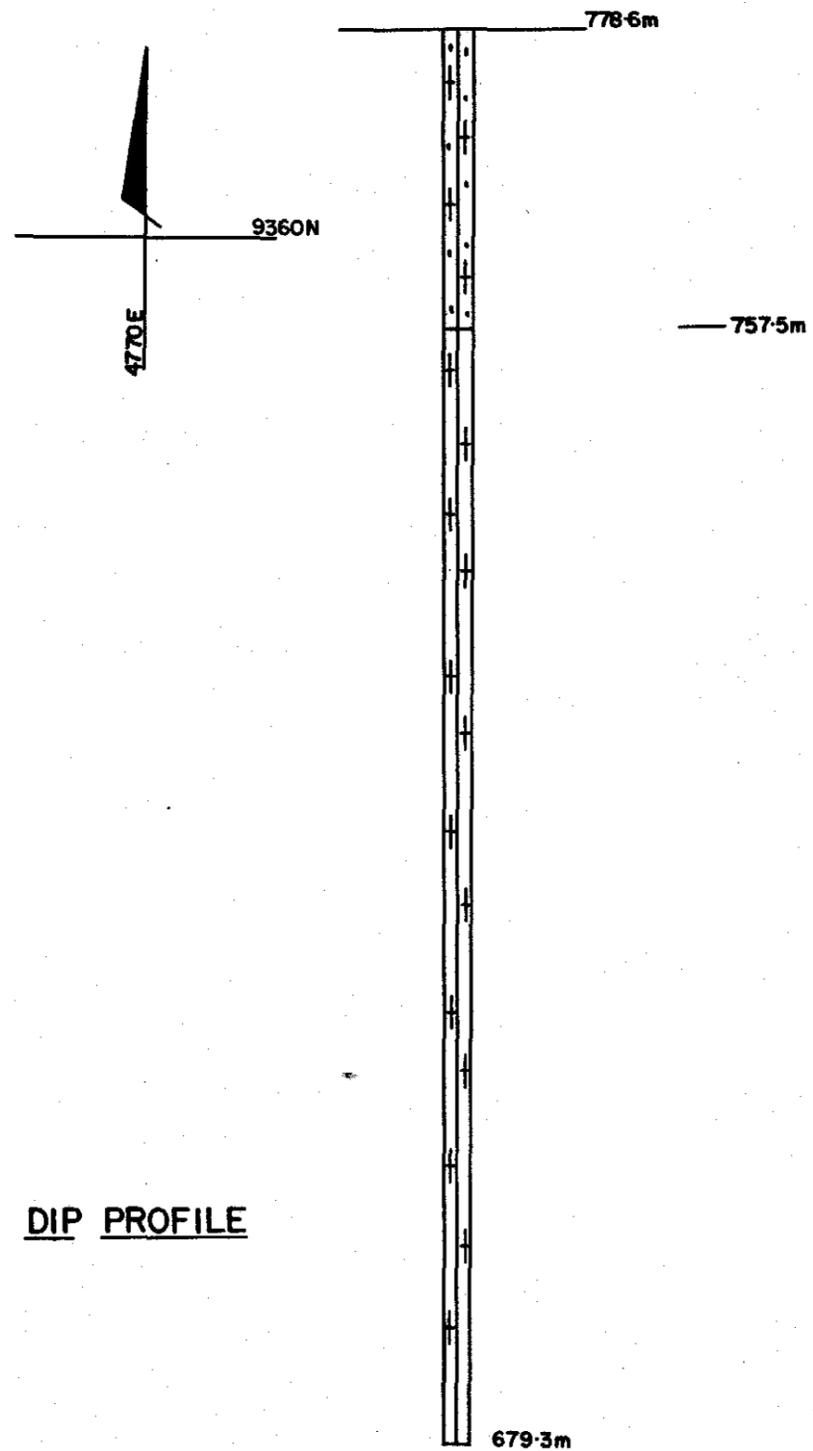
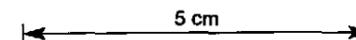
SCALE 1:



9383.9 N  
4791.3 E



PLAN



DIP PROFILE

657146

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 152.

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				0-21 WEATHERED POIMENA ADAMELLITE														
0	7	7		Strongly weathered granite and soil. Abundant clays and sand with occasional white, weathered rock fragments.														
7	14	7		Brown grey weathered granite. Colourless quartz, weathered feldspars as large phenocrysts and limonitised biotites are the predominant minerals.														
14	21	7		Pale grey granite. Limonite coatings and weathered feldspars are rare. Modal biotite increases producing a darker grey colour with depth.														
				21-99.3 WEAKLY ALTERED POIMENA ADAMELLITE														
21	47	26		Medium-dark grey granite with minor green sericite. Large phenocrysts of white feldspar, smaller phenocrysts of quartz and small, black biotites.														
47	53	6		Orangey-grey granite. Limonite stained quartz grains and decreased modal biotite are characteristic. Sericite is absent.														
53	57	4		Purple-grey granite with slight orange tinge. Minerals present are black biotites as small aggregates, large white feldspar phenocrysts, colourless quartz and purple fluorite: medium grained. Limonite and sericite are rare.														
57	78.60	21.60	100	Medium grey granite, porphyritic with large phenocrysts of feldspar. Sericite is rare and orange limonite staining is weakly developed, predominantly around occasional fractures. Medium grained with abundant, small dark biotite clusters. Rare pegmatite-granite intergrowths occur. A major pegmatite lies between 74.50 and 75.25, consisting of coarse grained pale orange feldspar and quartz with accessory biotite, muscovite and ?tourmaline.														

657147

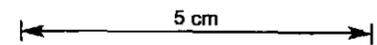




HOLE NO. BT 153

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

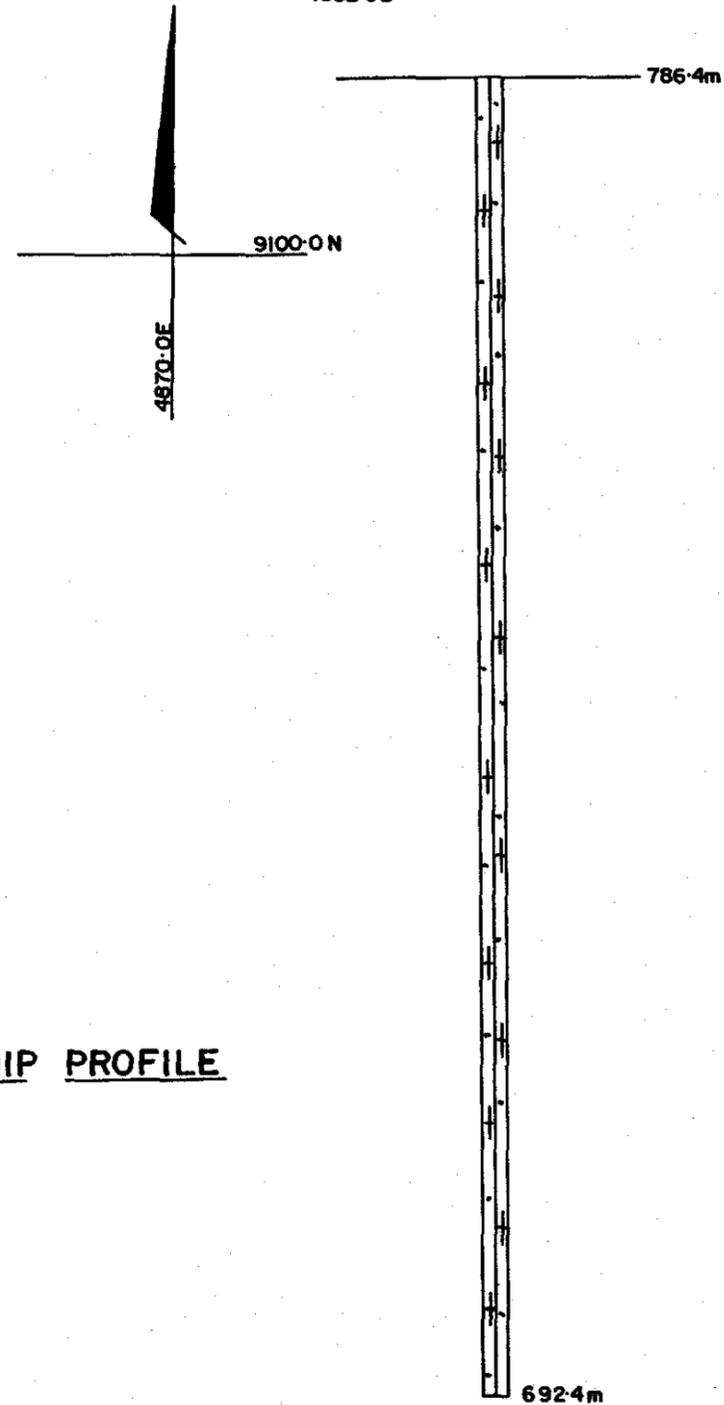
SCALE 1:



9120-6N  
4892-3E



PLAN



DIP PROFILE

657150

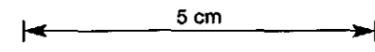




HOLE NO. BT 154

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

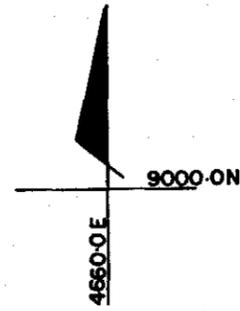
SCALE 1:



9015-ON  
46890E



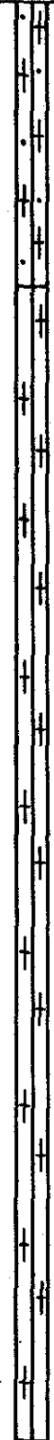
PLAN



765.7m

745.5 m

DIP PROFILE



633.5m

657153

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 154

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				0-20 MODERATELY WEATHERED POIMENA ADAMELLITE														
0	10	10		White-grey weathered rock chips and sand with a very minor clay component. Quartz is unweathered and feldspar phenocrysts are psuedomorphed by white clays.														
10	20	10		Brown grey granite with abundant, small, black biotite clusters. Porphyritic with both weathered and unweathered feldspar phenocrysts. A brown limonite stain coats many minerals.														
				20-102.20 WEAKLY ALTERED POIMENA ADAMELLITE WITH ABUNDANT HEMATITIC FELDSPARS.														
20	26.45	6.45	100	Medium grey granite with rare weathered feldspars and incipiently developed liminitic staining. Moderately porphyritic with feldspar phenocrysts up to 2cm; medium grained. Fractures are rare and are coated (thinly) with pale green sericite. At 26.20, a 25cm pegmatite consisting of colourless quartz and white feldspars with accesory biotite and muscovite.														
26.45	31.20	5.57	100	Grey granite, both coarse and fine grained. Sericite is weakly developed and red-brown hematite replaces biotite. Porphyritic and weakly fractured.														
31.20	37.80	6.60	100	Reddish-green granite. Hematite and sericite are strongly developed, accompanied by increased jointing and veining. Biotite is replaced and muscovite is present. Porphyritic and medium grained. At 34.00, a 20cm zone of highly fractured, crushed rock and sericitic clays.														
37.80	48.00	10.20	100	Weak greenish-pink grey granite, porphyritic and medium grained. Numerous small black biotites, small colourless quartz phenocrysts, reddish hematite and greenish sericite replaced feldspars, and large white feldspar phenocrysts are the major mineral phases. Weakly fractured.														

B.T. 154

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 154

Page: 2

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
48.00	53.70	3.70	65	A 2cm thick monomineralic grey quartz vein, cryptocrystalline, fractured at 10°CA. Underlain by highly fractured, soft sericite rich rock with abundant slickensides and relict quartz.														
53.70	65.00	11.30	100	Grey granite with medium green abundant sericitic and pink-red hematitic feldspars. Medium grained and weakly porphyritic. with few fractures. At 59.30 at 40cm quartz-feldspar pegmatite, 10°CA and moderately fractured, is surrounded either side by 10cm zones of highly sericitised + muscovitised rock. Becomes coarser grained and more porphyritic over the last 2.50m.														
65.00	74.95	5.95	60	Fine to medium grained granite with quartz, feldspar, muscovite, sericite and hematite- moderately altered. In places highly altered and fractured with numerous veins.														
74.95	89.40	14.45	100	Very weakly altered, medium grained, prophyritic granite. Yellow-green sericite patches and slightly pinkish feldspar phenocrysts add colour to an otherwise grey granite. Unfractured.														
89.40	91.75	2.35	100	Highly fractured and crushed, altered granite, reddish-green grey. Biotite is rare, green and white sericite as well as red hematite are common. Muscovite is moderately abundant and several small pegmatites occur. Medium grained and porphyritic.														
91.75	93.25	1.50	100	Unaltered, pinkish-grey, medium grained, porphyritic granite. Unfractured with rare sericite and hematite. Numerous biotites.														
93.75	102.20	6.45	76	Moderately fractured and altered, medium-fine grained granite. Muscovite is common, biotite is rare. Sericite occurs in fractures and veinlets. Brown hematite is present. Small quartz-feldspar pegmatite.														

END OF HOLE '02 20

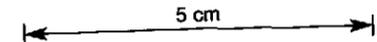
B.T. 154



HOLE NO. BT 155

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:

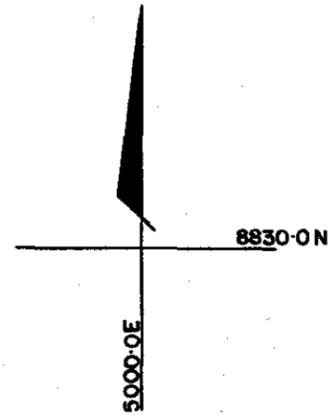


8855-5 N  
5018-7 E



PLAN

792.1 m



DIP PROFILE

692.6 m

657157

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 155

Page: 1

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	99.50			VERY WEAKLY ALTERED POIMENA ADAMELLITE WITH MANY APLITIC AND PEGMATITIC PHASES.														
				DETAILED LOG														
0	7	7		Slightly weathered pale brown-grey granite. Minerals include quartz phenocrysts, larger feldspar phenocrysts - some weathered to white clays, and numerous small black biotites. A limonite stain is incipiently developed.														
7	58.10	50.10	98	Light greenish-grey granite, medium-coarse grained and moderately porphyritic. Unfractured and unweathered. Several thin pegmatites exist.  At 13.60, a 20cm thick very fine grained grey quartz aplite with accessory biotite, feldspar and green sericite, surrounds a limonite stained fracture. At 26.25, a 50cm mixed, complex aplite-pegmatite of white feldspar, quartz and accessory micas-weakly fractured. At 37.30, 10cm of myremekitically intergrown quartz and feldspar with minor pyrite. Numerous patches of increased sericitised feldspars occur throughout.														
58.10	60.80	2.70	100	A slight pinkering of the large feldspar phenocrysts together with an increase in pale green sericite becomes noticeable. Several 10cm thick, muscovite bearing pegmatites exist.														
60.80	77.70	16.90	100	Fresh grey granite, with very weakly developed, pale green sericite. Medium grained, moderately porphyritic. Weakly to unfractured. Black biotite as small flakes, small quartz phenocrysts and feldspar phenocrysts.  At 70.20, a 15cm medium grained aplite consisting of quartz, white feldspars and muscovite-equigranular, 20° CA.														

B.T. 155

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 155

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				At 73.25, a 20cm coarse grained pegmatite of quartz feldspar and biotite with biotite flakes up to 2cm across.														
77.20	81.20	3.50	100	Increased pink and green colour to above granite. Weakly fractured. Between 78.30 and 80.20, a zone of mixed very fine and very coarse grained pegmatites of quartz, feldspar and biotite, the latter up to 1cm wide flakes. At 81.00, a 2cm thick fine grained aplite, 20°C, with large white feldspars in a very fine grained quartz-sericitised feldspar matrix.														
81.20	86.60	5.40	100	Fresh grey granite with minor pale green sericite, quartz, feldspar and biotite. Moderately fractured in places with a wide variety of pegmatites, aplites, quartz veins and variably altered granite. Some micas (especially muscovite) in coarse grained pegmatites reach 1-2cm across.														
86.60	90.00	3.40	100	Pink-green-grey granite. Pink feldspar phenocrysts, smaller pale green feldspar and colourless quartz phenocrysts and numerous small black biotites. Mafic clots fine grained biotite rich, up to 3cm across occur. Medium grained, moderately porphyritic and weakly fractured, although fracturing increases locally to produce a friable rock.														
90.00	99.50	9.50	100	Fresh grey granite unfractured, similar in mineralogy to above. Incipiently developed sericite and no pinkened feldspar. A weak pale orange limonite coating occurs on some mineral faces.														
				END OF HOLE 99.50														

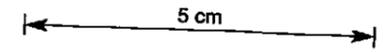
657139



HOLE NO. BT 156

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



8750.8N  
4762.2 E



PLAN

8740N 769.1m

4740N

743.0m

DIP PROFILE

676.8m

657161

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 156 Page:1

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	26.20			VARIABLY WEATHERED POIMENA ADAMELLITE														
26.20	93.30			WEAKLY ALTERED POIMENA ADAMELLITE														
				DETAILED LOG														
				0-26.20 VARIABLY WEATHERED POIMENA ADAMELLITE														
0	26.20	16.20		Moderately weathered pale-brown grey granite. A weakly developed limonite clay becomes weaker down hole as does the degree of weathering. Feldspar phenocrysts are weathered to white clays, biotites occur in small clusters. Fracturing is moderate to strong with limonite coatings.														
				26.20-93.30 WEAKLY ALTERED POIMENA ADAMELLITE														
26.20	31.65	5.45	100	Pink grey granite with greenish tinge. Pink feldspar phenocrysts, pale green and yellow sericite. Moderately porphyritic, medium grained and weakly fractured. Increasing down hole to a pale green clay zone, are sericite and fracturing. Moderately altered. At 28.80, a 1.0m zone of clay with minor quartz and feldspar. The clay appears to be talc-like.														
31.65	39.90	8.25	100	Pale pink green-grey granite, moderately-weakly fractured, medium grained and weakly altered. Sericite is incipiently developed and minor limonite occurs on joints. Patches of stronger alteration produce deep pink, increased sericite and replacement of biotites.														
39.90	47.30	5.10	69	Pink-pale green granite, highly fractured with numerous small muscovite flakes and limonite on joint faces. Rock is incompetent in places, modal biotite is decreased. Large 2-3cm thick quartz veins at low CA angles occur.														

657162

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T.156

Page: 2.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
47.30	60.00	12.70	100	Pink-yellow granite changing to reddish-grey granite. Medium grained and porphyritic with pink feldspar phenocrysts and yellow sericite patches; becoming rare after 49.0m. Red hematite becomes abundant; weakly fractured with a few highly fractured sericite rich 10-20cm lenses.  At 55.0°, a 2cm thick quartz vein at 10°CA, surrounded by quartz-biotite-muscovite altered zone 2-3cm wide.  At 57.30, a 10cm coarse grained pegmatite underlain by a 60cm fine grained aplite.														
60.00	65.30	5.30	100	Grey granite, coarse grained and porphyritic with a slight green brown colour due to sericite. Very weakly fractured with thin pale green sericite coatings.														
65.30	74.40	9.10	100	Pink green grey granite, medium-coarse grained, porphyritic, moderately fractured in places, otherwise unfractured. Slightly pegmatitic, with a few large (3-4cm) mafic clots: Yellow-brown sericite is common on joints.														
74.40	82.80	8.40	100	Fresh greenish grey granite. Biotite is abundant, sericitised feldspars are not. Unfractured, medium-coarse grained and moderately porphyritic.														
82.80	85.00	2.20	100	Pink colour increases, as does yellow sericite and fracturing, to produce a crumbly, highly fractured, clay rich rock for 0.5m at 83.70..														
85.00	93.30	8.30	100	Fresh grey granite with minor greenish tinge. Large feldspar phenocrysts are white, small feldspar phenocrysts are pale green. Very weakly fractured, coarse grained and porphyritic.  From 90.80 to 92.80, disseminated fluoritic quartz phenocrysts occur.														
				END OF HOLE 93.30														

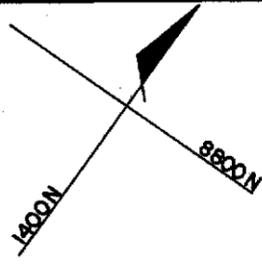
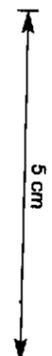
687103



HOLE NO. BT 157

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

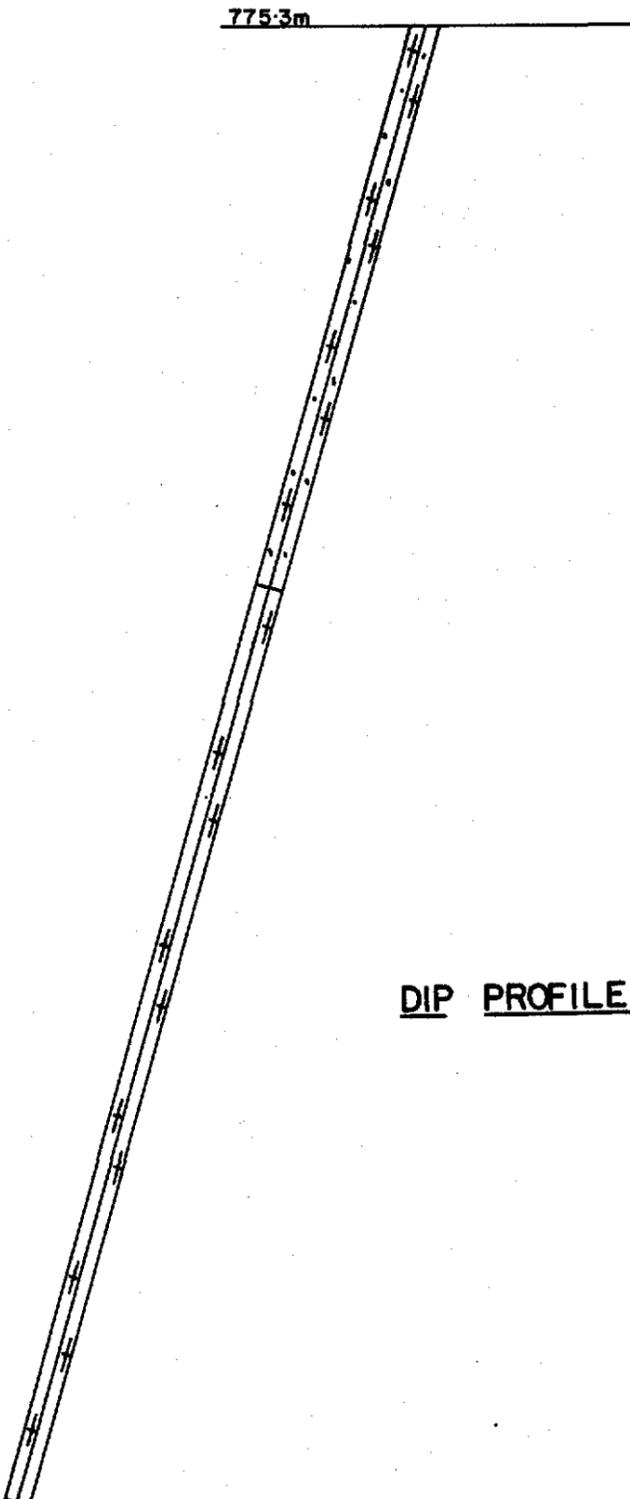
SCALE 1:



PLAN



DIP PROFILE



735-3m

670-9m

657163

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 157

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	41.30			VARIABLY WEATHERED POIMENA ADAMELLITE														
41.30	108.00			WEAKLY ALTERED POIMENA ADAMELLITE WITH NUMEROUS PEGMATITES.														
				DETAILED LOG														
				0-41.30 WEATHERED POIMENA ADAMELLITE														
0	13	13		Clay, soil and weathered rock. Pink feldspar phenocrysts, quartz and a few small black biotites are relict minerals in a brown clay. Mineral surfaces are coated with a limonite stain.														
13	16	3		Weathered rock, less clay, pale brown in colour. Large unweathered pink and white feldspar phenocrysts. Minor pale green sericite developed.														
16	41.30	25.30	100	Slightly weathered, grey granite. Abundant yellow and minor green sericite, pink feldspars, common black biotites. Strongly porphyritic with feldspar phenocrysts up to 4cm. Moderately fractured and broken in places with green sericite on joints. In places is very coarse grained.														
				41.30-108.00 ALTERED POIMENA ADAMELLITE														
41.30	49.00	7.70	100	Greenish grey granite, very porphyritic, coarse grained, moderately-weakly fractured, with pale green sericite, pale pink feldspar phenocrysts and numerous biotites. At 44.60, a 25cm very coarse grained pegmatite.														
49.00	63.80	14.80	100	Pinkish grey granite with yellowish tinges. Fracturing increases in places to become highly fractured and crumbly with abundant yellow-green sericitic clays.														

657166

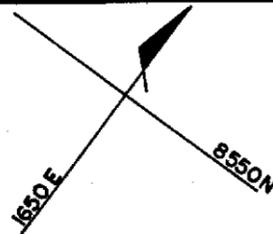




HOLE NO. BT 158

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

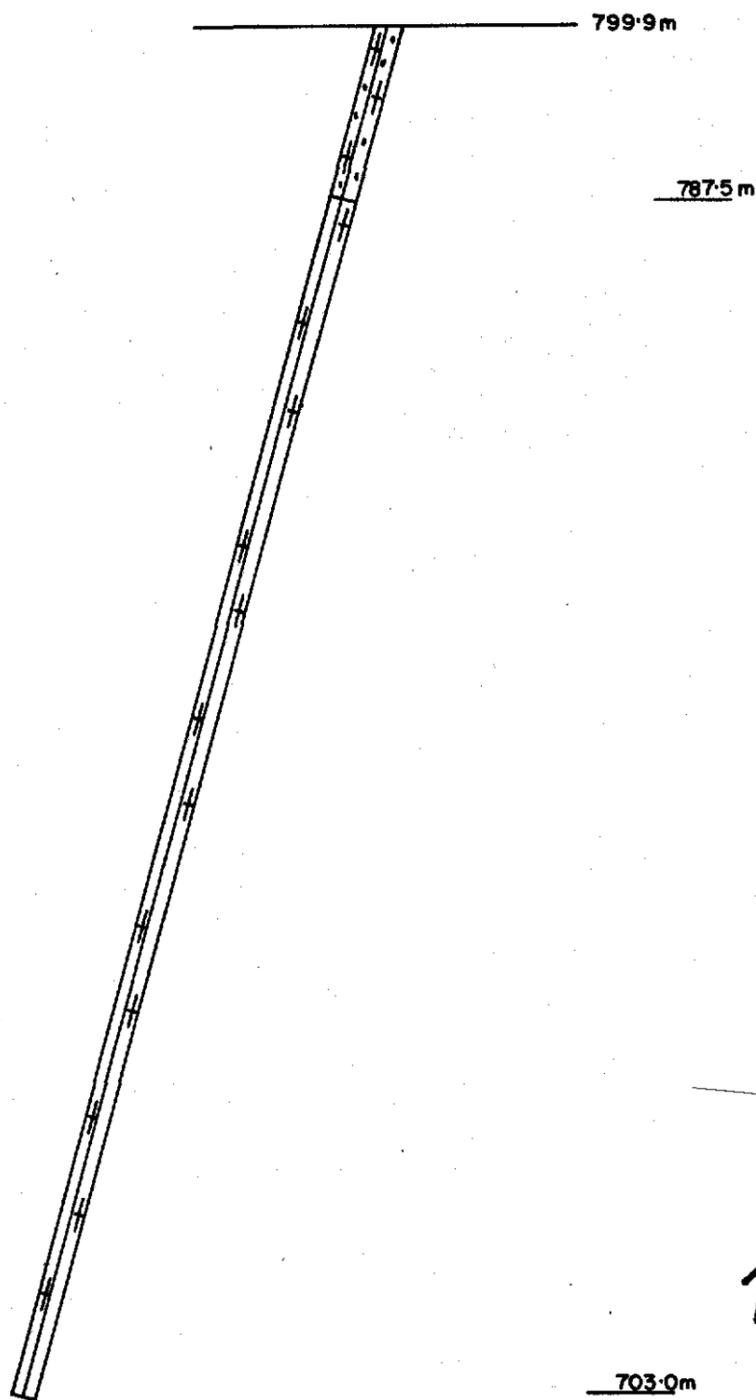
SCALE 1:



8475.2 N  
1647.5 E

8489.5 N  
1667.7 E

PLAN



DIP PROFILE

657169

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 158

Page: 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	12.50			WEATHERED POIMENA ADAMELLITE														
12.50	100.35			VARIABLY ALTERED POIMENA ADAMELLITE														
				DETAILED LOG														
				0-12.80 WEATHERED POIMENA ADAMELLITE.														
0	12.50	11.50	92	Soil and moderately weathered granite. Porphyritic and medium-coarse grained with small black biotites. Limonite staining is well developed and rare, small aplites are also found.														
				12.50 -100.35 WEAKLY, PATCHILY ALTERED POIMENA ADAMELLITE.														
12.50	20.55	8.05	100	Fresh greenish-grey, porphyritic and medium grained. Large white feldspar phenocrysts and sericitised (green) feldspars are common. Limonite is rare, being restricted to narrow (5-10cm) zones of weathered rock. At 18.85, a 10cm thick pegmatite consisting of mixed fine and coarse grained colourless quartz and white feldspar with an orange Fe-oxide stain. At 10 <sup>0</sup> CA.														
20.55	23.80	2.45	75	Crushed and fractured granite, sericite rich with relict feldspar and quartz. Greenish-grey with rare unaltered biotites in patches of more competent weaker altered rock. At 23.45, a 35cm very coarse grained pegmatite of pink feldspar and colourless quartz with minor dark green sericite, red-brown hematite and accesory biotite.														
23.80	38.20	14.40	100	Red-grey granite, porphyritic, medium grained and weakly fractured. Feldspar forms pink phenocrysts up to 2cm and numerous, small red-brown hematite grains are found. The green sericite content is variable, from rare to abundant and biotite content														

657170

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 158

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				is also irregular.														
				Between 27.45 and 28.65, at 15 <sup>0</sup> CA, a 5cm thick black quartz-sericite vein, fractured and underlain by sericite rich coarse grained, moderately altered pink-green granite.														
				Between 31.15 and 32.35, a very coarse grained pegmatite, dominated by pink feldspar, granite inclusions and minor quartz and biotite.														
38.20	53.30	15.10	100	Reddish-green grey granite, unfractured and weakly altered. Medium grained and porphyritic with abundant black biotites, pale pink feldspar phenocrysts, reddish hematite and green sericite. A few local (~1.0m) increases in fracturing and modal sericite accompanied by an intensification of the pink colouration in the feldspars, occur occasionally.														
53.30	54.55	1.25	100	A highly fractured and crushed, soil-like, zone of strongly altered granite. Biotite is altered to dark green sericite, feldspar to pale green sericite, with relict colourless quartz.														
54.55	63.10	8.55	100	Greenish-grey granites, medium grained and strongly porphyritic with rare feldspar phenocrysts up to 5cm. Unfractured with green sericite patches. Biotite rich. At 55.90 and 57.75, 10cm thick pegmatites of coarse grained colourless quartz and white feldspar with accessory biotite and pale green sericite. At 57.85, a 10cm thick fine grained, equigranular, quartz feldspar, biotite aplite. The last 40 cm is highly fractured and crushed with pervasive sericite developed, rare green biotites and pink feldspars.														
63.10	100.35	37.25	100	Pink-grey granite. Medium grained, porphyritic and very weakly fractured, with minor pale green sericite. Reddish hematite flakes are abundant as are biotite clots. Occasional small (~10cm) crush zone of lightly fractured, altered sericite rich granite also occur.														

657171

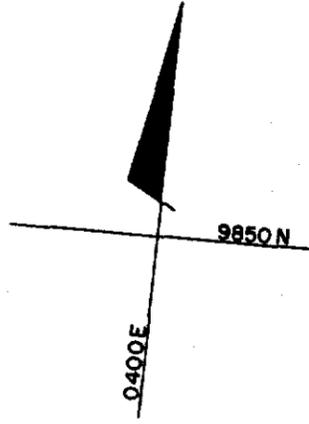
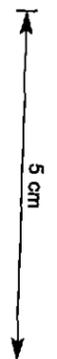




HOLE NO. BT 159

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

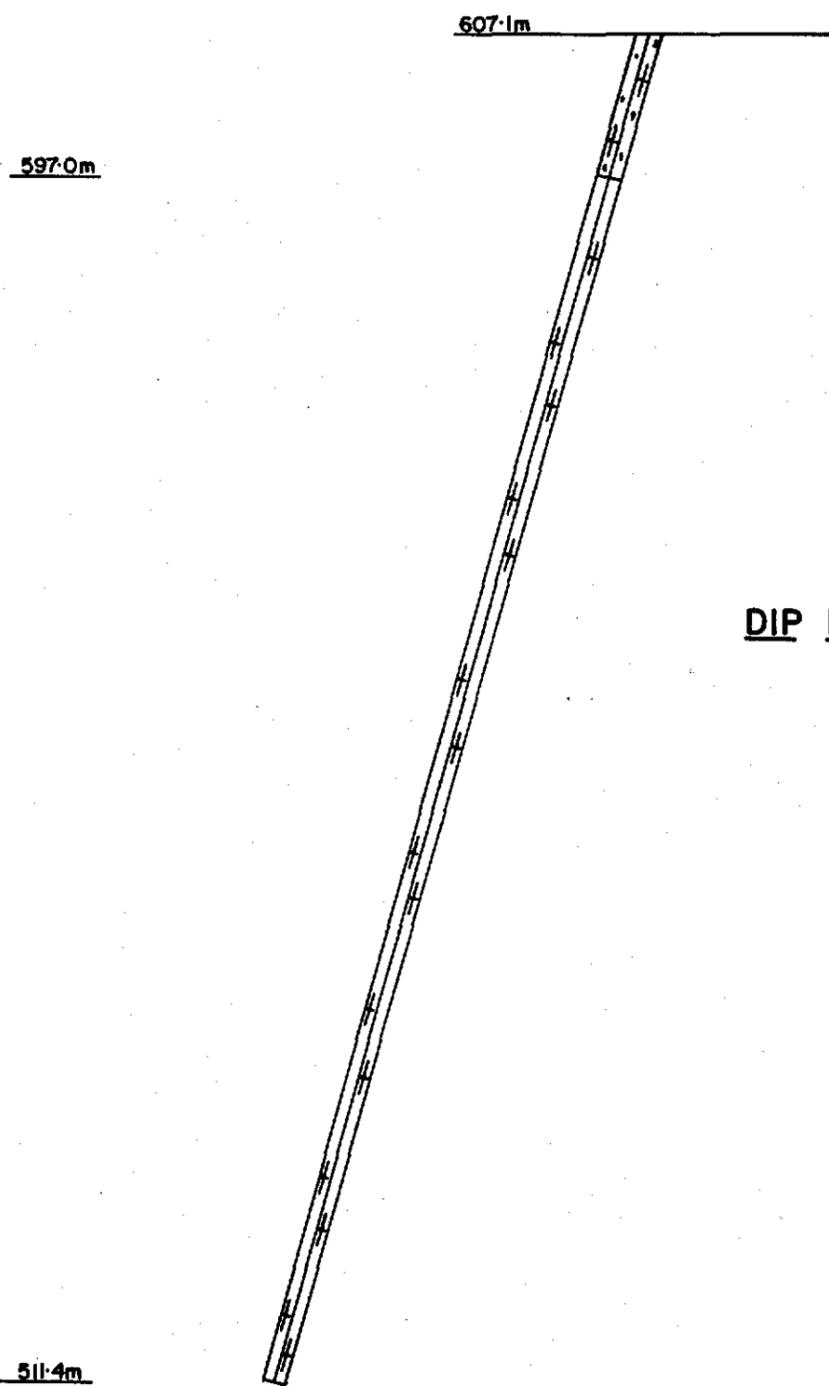
SCALE 1:



PLAN



DIP PROFILE



657174

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 159

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	10.55			WEATHERED POIMENA ADAMELLITE														
10.55	99.20			WEAKLY ALTERED POIMENA ADAMELLITE WITH SEVERAL THICK APLITES.														
				DETAILED LOG														
				0-10.55 WEATHERED POIMENA ADAMELLITE														
0	7	7		Moderately weathered brown granite. Minor clay weathered feldspar phenocrysts.														
7	10.55	3.55	100	Fresh-slightly weathered granite, medium grained, porphyritic, grey. Biotite accumulations - very rich in places, occur. Pale green sericite is weakly developed, very weakly fractured with large white feldspar phenocrysts.														
				10.55-99.20 ALTERED POIMENA ADAMELLITE WITH APLITIC PHASES.														
10.55	16.50	5.95	100	Moderately fractured, blocky aplite. Orange in colour with quartz, feldspar (some pink), and accessory biotite as single brown flakes. Also several fine grained pegmatitic veins rich in pale pink feldspar exist.														
16.50	49.30	32.80	100	Fresh grey granite. Phenocrysts up to 2.5cm, biotite accumulations, coarse grained semi-pegmatitic and highly fractured patches are common. Overall-weakly fractured. Weakly developed pale green sericite, fractures are white clay filled. Areas (~ 20cm) of quartz - dark green sericite pervasive alteration.														
49.30	54.90	5.60	100	Pale orange-greenish grey granite. Porphyritic, medium grained and weakly-moderately fractured. Abundant pervasive quartz-sericite alteration and quartz veining. Sericitic fractures.														

657175

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 159

Page: 2.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA														
From	To	m	%		Sample No.	From	To	Rec. %											
54.90	73.00	18.10	100	Green-grey granite with orange-white feldspar phenocrysts (up to 3cm), small green sericitised feldspars and small black biotite clots. Porphyritic and medium-coarse grained. Weakly fractured with thin coatings (on 90° CA fractures) of red clays. Rare, thin (~20cm) pegmatites, silicified-sericitised zones and quartz veinlets.															
13.00	85.40	12.40	100	Fresher, greenish grey granite. Porphyritic, medium grained weakly sericitised feldspars and weakly <del>to</del> unfractured. Patches (rare) of pervasive quartz-sericite and veinlets, semi-pegmatitic coarse grained granite and increased fracturing, with very weakly developed red clays and limonite (orange) on joints.															
85.40	86.70	1.30	100	Pale green dark grey granite with pervasive biotite and pervasive fine grained quartz for 15cm; then coarse grained interlocking quartz, dark green sericitised feldspar, minor biotite and clays for 80cm. Then 35cm of coarse grained pegmatite, with pale orange feldspars, quartz and accessory green sericitised biotites.															
86.70	89.20	2.50	100	Orangey-green grey granite. Porphyritic, medium grained and weakly to moderately fractured with strongly developed yellow green sericite in places. Pale orange feldspar phenocrysts.															
89.20	94.25	5.05	100	Fine grained biotite rich aplite, with minor yellow sericite, white feldspars and occasional coarse grained pegmatites and granite (pale orange). Weak-moderately fractured.															
94.25	97.00	2.75	100	Pale orange-greenish grey granite. Medium grained, porphyritic and unfractured-to weakly fractured. Rare pegmatites also exist.															
97.00	99.20	2.20	100	Medium to coarse grained pale green-grey granite weakly porphyritic with rare biotites and aplitic biotite-rich patches. Weakly fractured.															
				END OF HOLE 99.20															

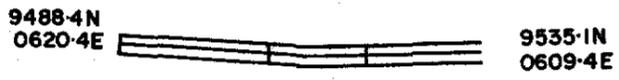
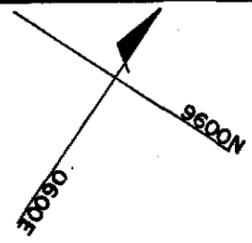
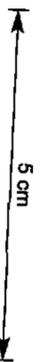
657176



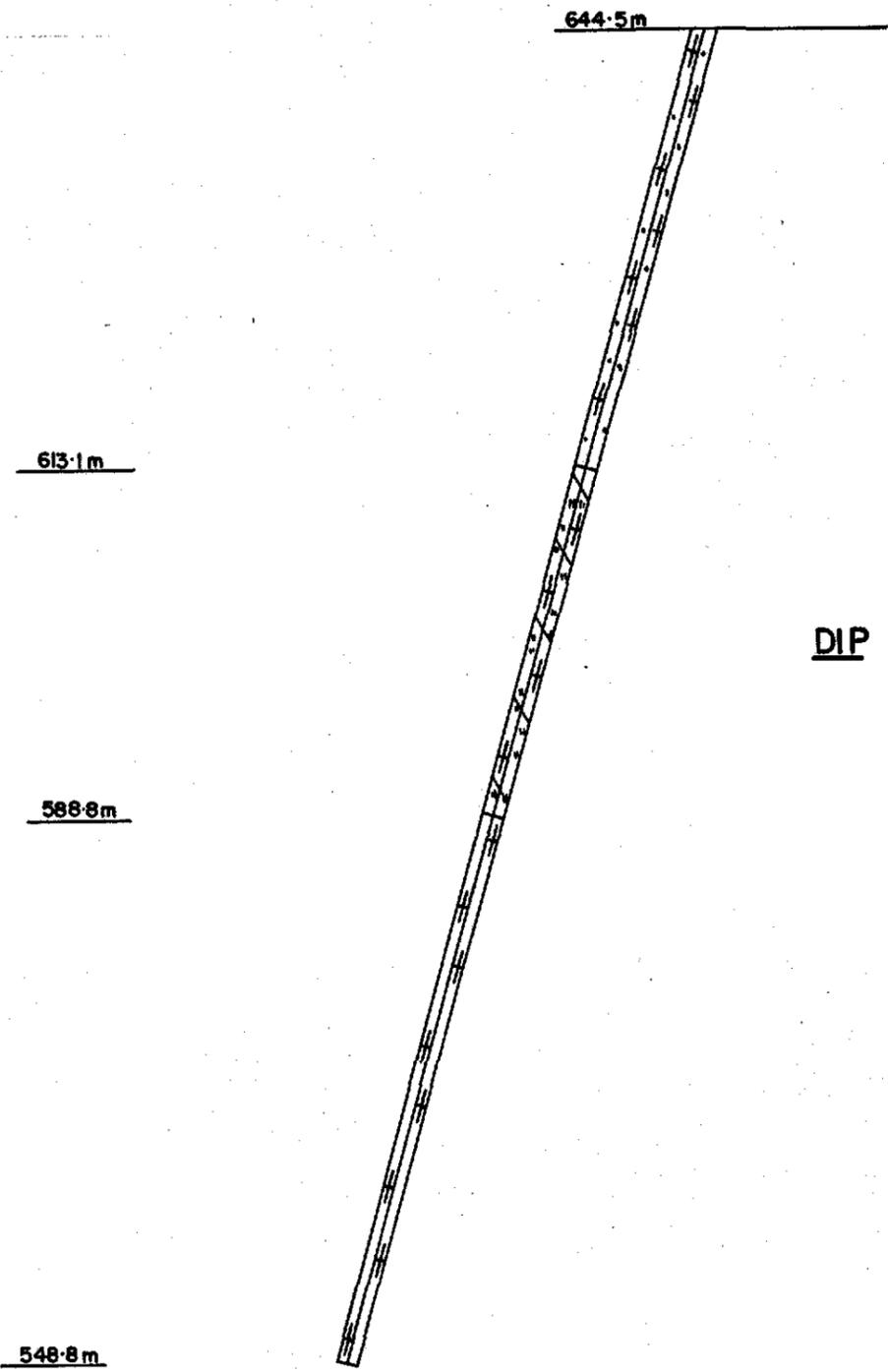
HOLE NO. BT 160

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



PLAN



DIP PROFILE

657178

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 160

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
				0-32.50 WEATHERED POIMENA ADAMELLITE														
				32.50-58.85 MODERATELY ALTERED AND FRACTURED POIMENA ADAMELLITE (FAULT ZONE?)														
				58.85-99.10 WEAKLY ALTERED POIMENA ADAMELLITE WITH SEVERAL APLITES AND PEGMATITES.														
				DETAILED LOG														
				0-32.50 WEATHERED POIMENA ADAMELLITE														
0	9	9		Strongly weathered granite and soil. Light brown with abundant clays, colourless quartz and pink feldspar fragments.														
9	32.50	23.50		Moderately to strongly weathered granite becoming less weathered down hole. Pink and white feldspars, rare biotites:- light brown - pink in colour. Weakly porphyritic with pale green sericitised feldspars and green-brown sericitised biotites. Medium grained and weakly fractured.														
				32.50 - 58.85 FRACTURED AND ALTERED POIMENA ADAMELLITE.														
32.50	58.85	26.35	100	Pale pink-green altered and fractured granite, with many quartz-sericite veins. Equigranular (secondary) texture of anhedral colourless quartz and euhedral pink feldspar. Pervasive yellow-green sericite and dark green-brown sericite replaces biotite which is absent. Medium grained with numerous fractures and numerous irregular quartz-sericite veins. Veins cut larger feldspars, producing small (several mm) offsets. Intensely developed veining in some areas produce patches of crumbly, incompetent, clay rich rock, a deep green colour.														
Between	41.35	42.55	0.70	56														

657179

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 160

Page: 2.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				58.85-99.10 WEAKLY ALTERED POIMENA ADAMELLITE WITH APLITE AND PEGMATITES.														
58.85	99.10	40.25	100	Medium grey granite with patches of green-sericite development. Modal biotite increases down hole. Medium grained, moderately porphyritic with a moderate to weak fracture. Sericite coats fractures. Phenocrysts of feldspar with smaller quartz phenocrysts and biotite as clusters. At 83.15, a 5cm thick pegmatite of coarse grained pink feldspar, minor colourless quartz, is underlain by 0.5m of fine grained aplite consisting of pink feldspar, colourless quartz accessory black biotite and patches of sericite. Between 89.90 and 91.40 a mixed phase of granite and aplite (as described above). Between 96.70 and 98.10, the granite becomes coarse grained then pegmatitic, then aplitic. Highly fractured in places with abundant green sericitic clays replacing biotite.  END OF HOLE 99.10														

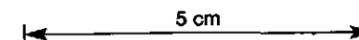
657180



HOLE NO. BT 161

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

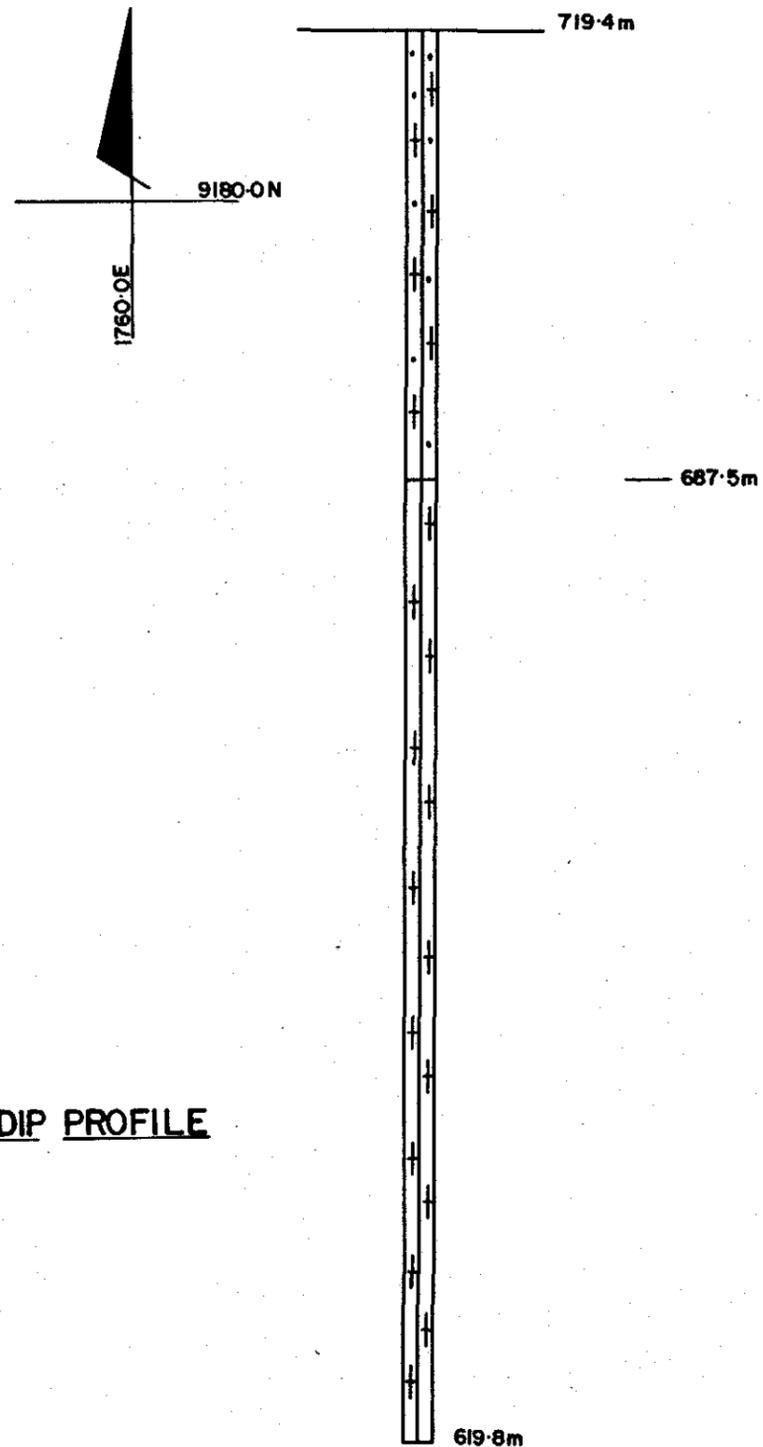
SCALE 1:



9201.4 N  
1780.7E



PLAN



DIP PROFILE

657182

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 161

Page: 1

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	31.05			SLIGHTLY WEATHERED POIMENA ADAMELLITE														
31.05	99.60			VARIABLY ALTERED POIMENA ADAMELLITE WITH RARE APLITES AND PEGMATITES.														
				DETAILED LOG														
				0-31.05 WEATHERED POIMENA ADAMELLITE														
0	7	7		Moderately weathered pale-grey white granite with minor clay development. Feldpars are phenocrysts (large ~2cm) pseudomorphed by white clays. Micas and quartz are also present.														
7	31.05	24.05	100	Medium grey granite with a weakly developed pale orange limonite stain coating some mineral surfaces. Porphyritic and medium grained with very fine grained biotite. Minor white clay weathering of feldspar phenocrysts. Sericite (pale green) becomes more abundant down hole.														
				31.05-99.60 WEAKLY ALTERED POIMENA ADAMELLITE														
31.05	64.00	32.95	100	Fresh grey granite. Pale orange limonite surrounds weakly developed joints which are coated with yellow green sericite. In places-highly fractured (approx. 0.5m lengths) with abundant sericite. Also developed are patches of very coarse grained - pegmatite like granite. Medium grained and strongly porphyritic overall. A few dark, thin quartz veinlets are present. Pale green sericitised feldspars, small quartz phenocrysts, black biotite clusters and very fine grained muscovite veinlets are the major minerals.														
Between																		
51.00	52.50	0.75	50	At 45.00, a 1.0m pegmatite of very coarse grained white feldspar, colourless quartz and accessory biotite.														

G57183

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER B.T.161

Page: 2

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA														
From	To	m	%		Sample No.	From	To	Rec. %											
64.00	74.20	10.20	100	Pale pink grey granite, moderately to highly fractured (blocky). Thin coatings of pale green sericite along fractures, numerous small pegmatites and quartz veins and veinlets at low CA angles are common. Medium grained and porphyritic.															
74.20	76.40	2.20	100	Grey granite with a slight pink tinge to feldspar phenocrysts, which increased down hole. Prophyritic, medium grained and incipiently fractured. At 75.70, a 0.5m of very coarse grained quartz and feldspar; a semi-pegmatitic intergrowth.															
76.40	79.10	2.70	100	Pale pink, reddish grey aplite with 3cm thick pegmatite. Unfractured and unsericitised, medium and fine grained with colourless quartz white and pink feldspars and single black brown biotite flakes.															
79.10	87.40	8.30	100	Pink green grey, highly fractured and crumbly rock, with abundant pale green sericite. Minor aplites and pegmatites are present. Biotites are still present.															
87.40	99.60	12.20	100	Grey granite, weakly and unfractured, strongly porphyritic and medium to coarse grained. Weak developed limonite and sericite very weakly altered.															
				END OF HOLE 99.60															

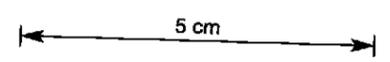
657184



HOLE NO. BT 162

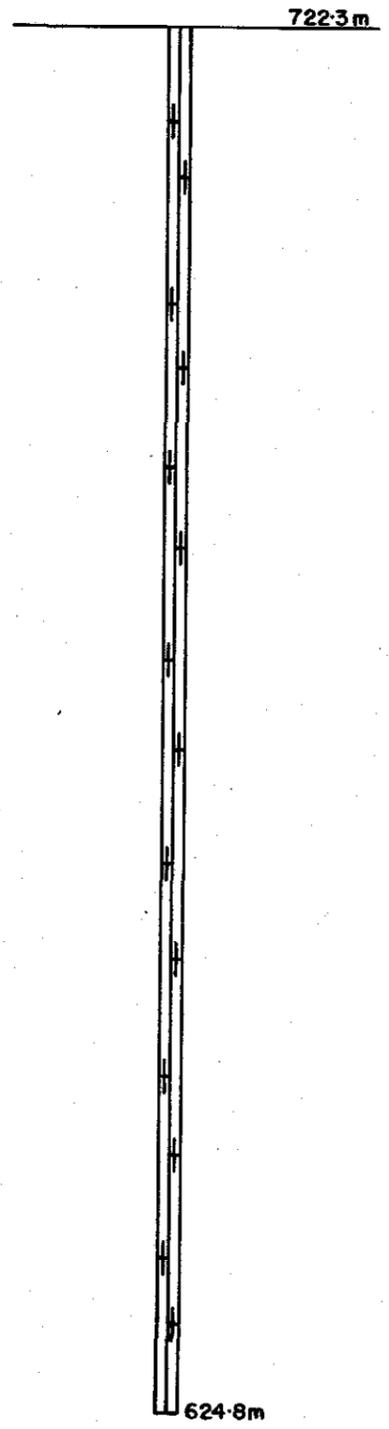
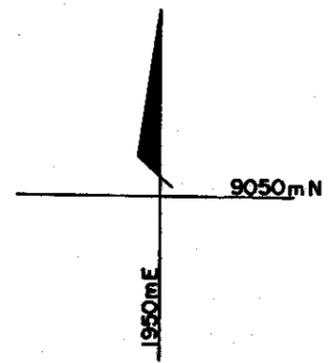
GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



⊗ 9066.9m N  
1995.5 m E

PLAN



DIP PROFILE

657186

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 162

Page:1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	8			WEATHERED POIMENA ADAMELLITE														
8	97.50			WEAKLY ALTERED POIMENA ADAMELLITE														
				DETAILED LOG														
				0-8 WEATHERED POIMENA ADAMELLITE														
0	4	4		Soil and light brown weathered granite. Abundant brown clay with a few weathered feldspars and relict quartz.														
4	8	4		Slightly weathered brown-grey granite with a weak iron oxide stain. Feldspar phenocrysts are pseudomorphed by white clays. Biotite and quartz are also present.														
				8-97.50 WEAKLY ALTERED POIMENA ADAMELLITE														
8	24.00	16.00	100	Fresh light grey granite. Weakly fractured with green sericite coatings. Off white feldspars and smaller greenish feldspars with quartz and clots of black biotites. Porphyritic (feldspars up to 3cm) and medium to coarse grained.														
24.00	35.00	11.00	100	Pink green grey granite with pale green sericite patches and pink-red feldspars. Fracturing and grain textures are as above with a slight silicification developed around some fractures.														
35.00	36.80	1.80	100	Increased fracturing, producing blocky and crumbly clay-sericite joints. Colour and texture are unchanged except for biotites which are altered dark green.														
36.80	46.80	10.00	100	Fracturing decreases to weak-unfractured, apart from local zones (1-2m) of moderately fractured-sericite rich rock.														

G27187

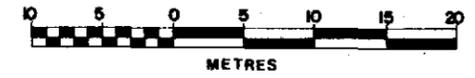




HOLE NO. BT 163

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:

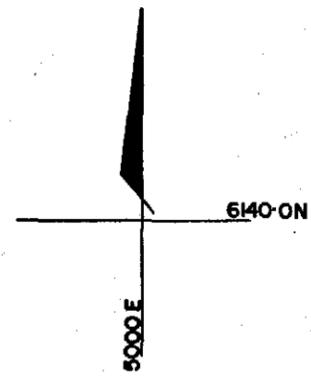
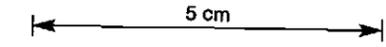


6158-7N  
5017-9E



PLAN

464.3m



435.2m

DIP PROFILE

378.1m  
377.4m

<0.01% Sn

350.6m

657190

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T.163

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0	19			MODERATELY WEATHERED MICRO-ADAMELLITE (Dg-fp)														
19	29.00			MODERATELY WEATHERED MEDIUM FINE GRAINED POIMENA ADAMELLITE.														
29	87.80			MEDIUM GRAINED WEAKLY PORPHYRITIC POIMENA ADAMELLITE. PATCHILY ALTERED AND FRACTURED.														
87.80	88.25			PEGMATITE.														
88.25				CONTACT.														
88.25	113.70			MODERATELY, VARIABLY GREISENISED ALKALI GRANITE.														
				DETAILED LOG														
				0-19 MODERATELY WEATHERED MICRO-ADAMELLITE.														
0	13	13		Brown, fine grained, equigranular, moderately-weakly weathered granite. Numerous small black biotites and hematite stained feldspars-some altered to white clays. Small stained quartz crystals. Between 12.0 and 13.0, brown clay rich zone.														
13	18	5		Slightly weathered granite, brown, fine grained and slightly porphyritic. Small unweathered feldspar phenocrysts.														
18	19	1		Brown-orange clay, with few mineral grains.														
				19-29.00 MODERATELY WEATHERED, MEDIUM-FINE GRAINED POIMENA ADAMELLITE.														
19	24	5		Medium-fine grained, moderately strongly weathered granite.														

657101

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 163

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				Weakly porphyritic. Biotite is altered/weathered to yellow sericite and orange brown limonite. Light yellow-green sericite stains feldspar and quartz. Weathering decreases down hole.														
24.	29.00	5.00	100	Slightly altered and weathered light brown granite. Biotite is more common. Light yellow sericite and pale pink hematitic staining is abundant. In places highly fractured and crumbly.														
				29.00-87.80 ALTERED, WEAKLY PORPHYRITIC POIMENA ADAMELLITE.														
29	30.50	1.50	100	Red-brown granite, weakly fractured with poorly developed yellow sericite - and red-pink feldspars. Fine-medium grained and weakly porphyritic with phenocrysts up to 1.0cm.														
30.50	37.10	6.60	100	Light grey granite with a dull reddish tinge. Weakly porphyritic and medium grained. Pale green sericite patches, numerous small black biotites, small (rarely up to 2.0cm, average 1.0 cm) feldspar phenocrysts and quartz are the minerals present. Very weakly developed fractures with thin yellow sericite coatings.														
37.10	39.50	1.40	70	Crumbly and highly fractured; soil-like, with pervasive pale yellow sericite. Rare biotite (replaced) and pale pink feldspars with quartz are relict.														
39.50	67.70	28.20	100	Grey granite, intact rock with small colourless quartz phenocrysts and biotite clots. Medium grained and weakly porphyritic. Very weakly fractured. At 51.20, a 10cm thick, coarse grained pegmatite at 60° CA.														
67.70	81.50	13.80	100	Medium grained, weakly porphyritic pale pink-green-brown-grey granite. Moderately fractured, and in places highly fractured and crumbly. Sericite (light green) is abundant as fracture coatings and pervasive. Biotite is rare. Quartz veins occur as sinuous, thin, sub-parallel, discoloured (light brown)														

657102

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T.163

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)												
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	WO <sub>3</sub>	Cu	Pb	Zn	SoI.Sn	Ag	Bi
				very fine grained-cryptocrystalline features. Patches of highly coloured:- pale pink/light brown-yellow unfractured rock also exist.													
81.50	85.60	4.10	100	Slightly altered pale pink-brown grey granite. Poorly fractured with moderately abundant biotite. Few joints are surrounded by zones (several cm thick) of increased alteration. Medium grained and weakly porphyritic. Between 84.60 and 85.20, 70cm of broken, altered, strongly sericitised pink-green rock.													
85.60	87.80	2.20	100	Grey granite, weakly porphyritic and medium grained with white feldspar phenocrysts averaging 1 cm. Pale green sericite is weakly developed. Unfractured with minor veinlets of quartz and mica. Black book biotites are common.  87.80 - 88.25 PEGMATITE													
87.80	88.25	0.45	100	Pegmatitic zone. 10cm of large pink feldspars in fine grained quartz with minor sericitised patches and accessory biotite. Crudely banded. 10cm of coarse and fine grained quartz with light green sericite flakes pseudomorphing biotite. 10cm of massive quartz-sericite and clay altered feldspars. Moderately fractured with abundant fluorite coatings. 15cm of crudely banded, orange-green, fine grained quartz with muscovite, sericitised biotite and abundant disseminated fluorite.  88.25 CONTACT  88.25- 113.70 GREISENISED ALKALI GRANITE.													
88.25	90.50	2.25	100	Granite, medium grained, equigranular and moderately but patchily greisenised. A crude banding or layering is produced by the two intensities of greisenisation.	1215	87.8	88.1	100	30	20	30	20	10	70	<50	1	20
					1216	89.0	90.0		50	40	30	10	20	100	<50	1	50
					1217	89.0	90.0		50	30	70	10	10	100	<50	1	50
					1218		91.0		30	20	60	10	10	70	<50	1	50

B.T.163

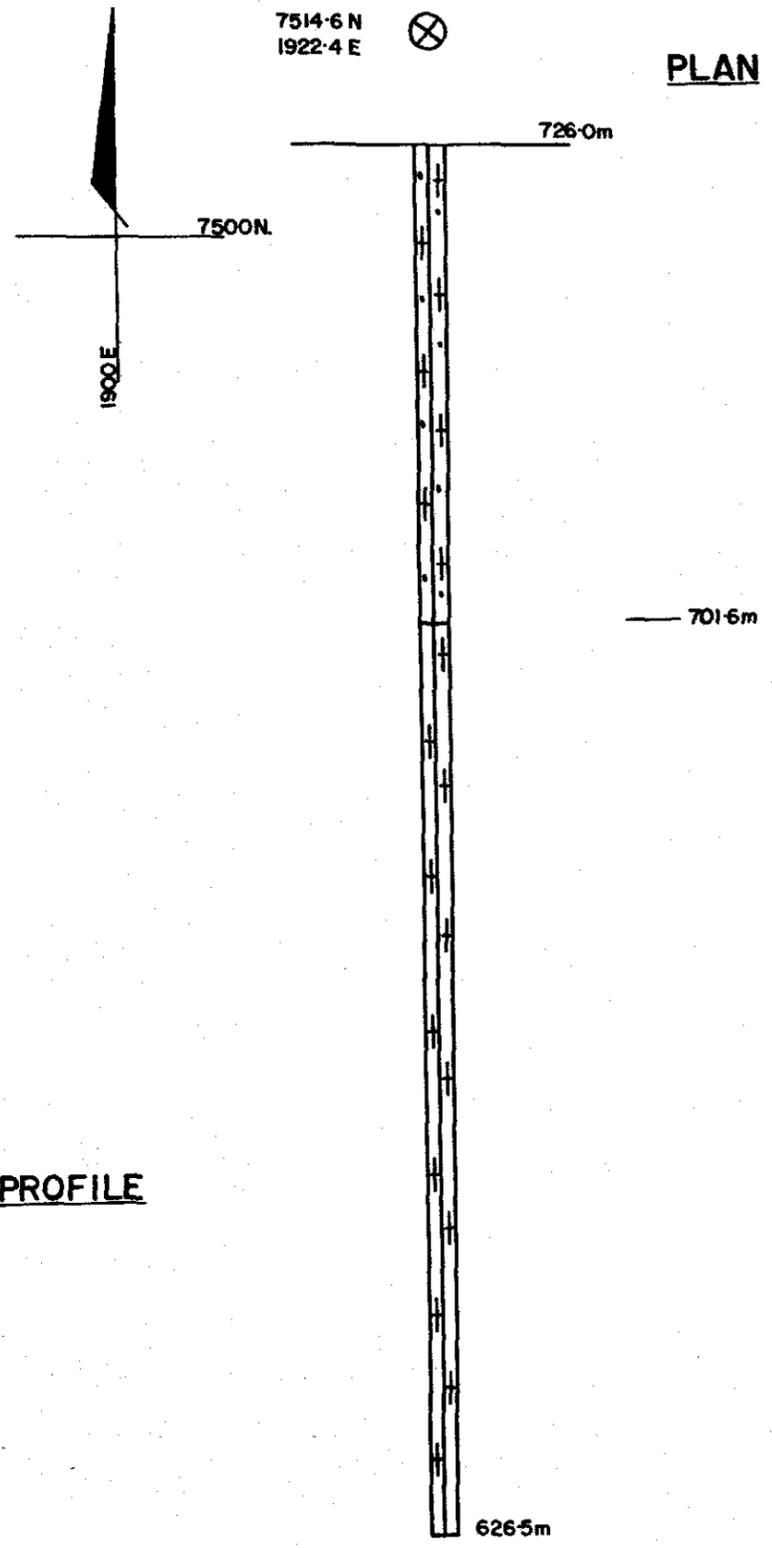
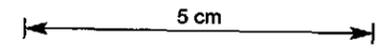




HOLE NO. BT 164

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



DIP PROFILE

657196

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 164

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA												
From	To	m	%		Sample No.	From	To	Rec. %									
				LOG SUMMARY													
0	34			WEATHERED POIMENA ADAMELLITE.													
34	99.50			WEAKLY ALTERED POIMENA ADAMELLITE.													
				DETAILED LOG													
				0-34 WEATHERED POIMENA ADAMELLITE													
0	15	15		White weathered granite. Abundant clays both white and brown, few feldspar phenocrysts, quartz, rare small black biotites. Limonite staining is common. Moderately bleached.													
* 15	25	10		Brown, weathered granite with pink feldspars and numerous small dark biotites. Porphyritic.													
25	27.00	2		Fresh granite. Large white feldspar phenocrysts (several cm), large quartz phenocrysts and black biotites. Unfractured.													
27.00	34.00	7		Slightly weathered granite with a weakly developed pervasive limonite stain. Moderately fractured, porphyritic and medium grained. Occasional 30-40cm lenses of fresh rock. Weathered granite is brown, brown-orange, and pale orange.													
				34-99.5 WEAKLY ALTERED POIMENA ADAMELLITE.													
34.00	69.40	35.40	100	Fresh, medium grained, grey granite. Euhedral feldspar phenocrysts up to 2cm. Rare, pale green sericite and rare fractures, chlorite? coated. Large biotite clots.													
* 69.40	80.70	10.30	91	Reddish-green granite. Hematite replaces some feldspars, large feldspar phenocrysts are pink. Yellow-green sericite is common, increasing with increasing fracturing. Some biotites are dark green; sericitised. Porphyritic and medium - coarse grained.													

657107

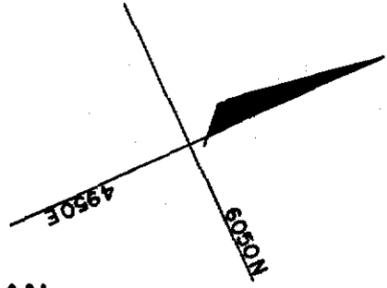
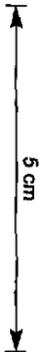




HOLE NO. BT 165

GOLD FIELDS EXPLORATION PTY LIMITED  
DIAMOND DRILL HOLE PLOT

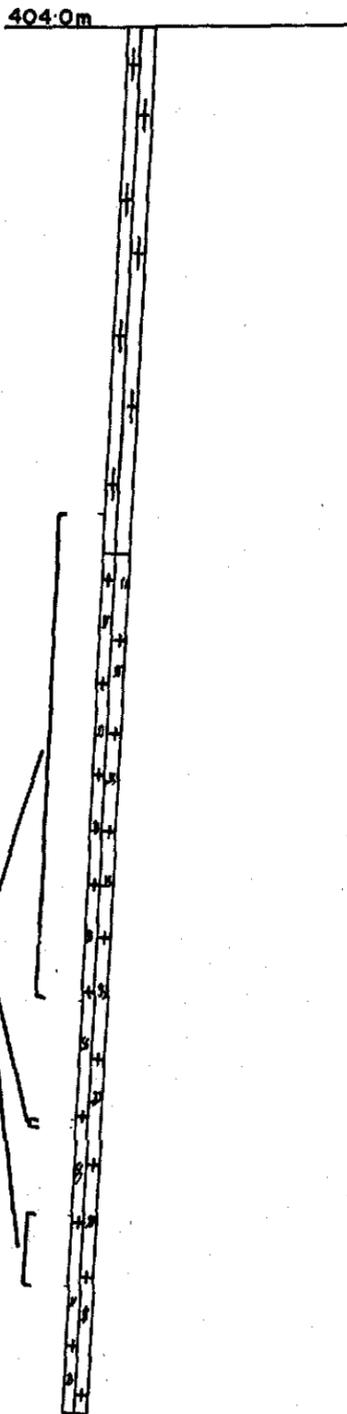
SCALE 1:



PLAN

6001.5N  
4958.6E

DIP PROFILE



366.0m

304.4m

657200

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 165

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)												
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	WO <sub>3</sub>	Cu	Pb	Zn	Ag	Bi	So1.Sn
				SUMMARISED LOG													
0	21			WEATHERED FINE GRAINED BIO-ADAMELLITE (Dg-fp).													
21	38			FINE-GRAINED BIO-ADAMELLITE (Dg-fp).													
38.00				CONTACT													
38.00	99.60			WEAKLY GREISENISED ALAKALI GRANITE WITH MINOR QUARTZ VEINS AND SULPHIDES.													
				DETAILED LOG													
				0 - 38 WEAKLY AND UNWEATHERED FINE-GRAINED BIO-ADAMELLITE (Dg-fp).													
0	21	21		Slightly weathered brown-grey granite with phenocrysts (up to 1cm) of feldspar weathered to white clays. Small black biotites and small quartz phenocrysts as well as abundant brown clay and limonite staining. Fine grained overall, with low modal biotite and feldspar phenocrysts.													
21	38	17		Very pale brown-light grey, very fine grained granite. Rare large (0.5cm) feldspar phenocrysts. Biotites are brown and black. Weakly porphyritic with grain size increasing down hole.													
				38.0 CONTACT													
				38 - 99.60 WEAKLY GREISENISED ALKALI GRANITE WITH MINOR QUARTZ VEINS AND SULPHIDES.													
					1032	35.0	36.0	100	20	20	30	40	10	60	<1	10	< 50
38	43	5		Pale green-grey granite. Becomes greener with depth. Sericite is abundant and feldspars have a pink (pale) colouration.	1033		37.0		30	10	20	40	10	60	<1	10	< 50
				Medium grained, equigranular and biotites are either black,	1034		38.0		40	25	40	130	20	90	1	20	< 50
					1035		39.0		30	35	20	30	20	80	1	10	< 50

657201

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T.165

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA												
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	WO <sub>3</sub>	Cu	Pb	Zn	Ag	Bi	SoI.Sn
				brown, or altered dark green. Very rare fluorite and accessory pyrite occur.	1036	39.0	40.0	100	25	40	20	30	20	70	1	10	< 50
					1037		41.0		20	35	25	30	20	80	1	10	< 50
				A small, thin clay zone at 43.00.	1038		42.0		20	75	30	20	20	90	2	20	< 50
					1039		43.0		20	95	25	20	30	90	2	30	< 50
43.00	48.50	5.00	91	Equigranular white-grey granite with numerous dark green biotites pseudomorphed by sericite. Sericite is also weakly developed as pale green pervasive alteration. Moderately fractured with zones of white clay veinlets and pyrite, as framboids? and cubes-coarse grained.	1040		44.0		25	90	30	20	20	90	2	30	< 50
					1242		45.0		30	35	25	<10	10	70	1	40	< 50
					1243		46.0		20	50	20	<10	10	50	1	20	< 50
					1244		47.0		30	35	25	20	<10	60	1	50	< 50
					1245		48.0		25	25	30	<10	10	60	1	60	< 50
					1246		49.0		30	25	20	<10	<10	60	2	70	< 50
48.50	51.45	2.95	100	Cryptocrystalline quartz-pale green sericite zone, 4mm wide at 10°C.A. Sinuous and anastomosing, it exhibits pinch and swell textures. Strongly altered and bleached granite either side.	1247		50.0		25	25	20	<10	<10	70	1	50	< 50
					1248		51.0		30	30	25	<10	<10	70	2	140	< 50
					1249		52.0		30	25	30	<10	20	90	4	80	< 50
					1250		53.0		20	35	20	<10	10	120	3	20	< 50
					1251		54.0		30	20	20	10	10	90	2	20	< 50
51.45	53.65	2.20	100	Bleached, soft rock: white with flecks of pale green sericite. Abundant disseminated pyrite, some coarse grained (up to 2mm) and euhedral. Weakly developed iron oxide staining and pervasive clay alteration (to white clays) has destroyed the original texture.	1252		55.0		20	20	30	<10	<10	50	1	30	< 50
					1253		56.0		20	20	20	<10	<10	50	< 1	20	< 50
					1254		57.0		15	20	25	<10	<10	50	< 1	10	< 50
					1255		58.0		10	30	20	10	30	60	5	20	< 50
					1256		59.0		20	30	30	10	10	60	2	10	< 50
					1257		60.0		10	20	25	10	60	120	7	20	< 50
53.65	56.90	3.25	100	Equigranular, medium grained, green-grey granite. Moderately fractured with white clays filling fractures. Biotite is totally replaced.	1258		61.0		20	30	20	<10	<10	50	1	10	< 50
					1259		62.0		15	25	20	<10	<10	50	< 1	20	< 50
					1260		63.0		55	25	10	<10	<10	50	< 1	10	< 50
					1261		64.0		20	20	30	<10	<10	50	< 1	10	< 50
56.90	59.55	2.65	100	Bleached rock with pale and dark green sericite. Moderately fractured with pyrite and molybdenite? along with white clay and talc? infilling joints.	1262		65.0		15	20	20	<10	<10	60	< 1	10	< 50
					1263		66.0		20	20	20	<10	<10	50	< 1	< 10	< 50
					1264		67.0		20	20	20	<10	<10	60	< 1	< 10	< 50
					1265		68.0		30	30	20	<10	10	50	< 1	10	< 50
59.55	78.70	19.15	100	Grey-brown granite with minor green flakes. Muscovite and some unaltered biotite are present. Equigranular, medium grained and unfractured. Dark and light green sericite are present, pseudomorphing biotite, decreasing downhole.	1266		69.0		30	25	30	<10	10	40	< 1	< 10	< 50
					1267		70.0		15	25	20	<10	<10	40	< 1	< 10	< 50
					1268	78.7	79.1		< 10	290	35	20	40	80	2	30	< 50
					1269	85.5	86.0		15	55	25	<10	20	40	1	< 10	< 50
					1270		87.0		10	85	20	< 10	10	30	< 1	< 10	< 50
78.70	79.20	0.50	100	A 2cm vein, 10°C.A, consisting of quartz, pyrite and sericite.	1271		88.0		10	120	25	< 10	10	20	1	10	< 50

657202

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 165

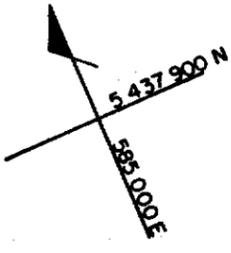
Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA												
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	WO <sub>3</sub>	Cu	Pb	Zn	Ag	Bi	SoI.Sn.
				Quartz, cryptocrystalline and dark, with light green sericite, forms a banded vein with massive pyrite- in lenses up to 0.5cm thick.	1272	88.0	89.0	100	10	125	25	<10	10	30	1	10	< 50
					1273		90.0		20	90	20	100	30	100	2	30	< 50
				0.5cm thick.	1274		90.5		10	115	20	10	20	40	2	30	< 50
				Vein is surrounded by a zone (3-4cm) of increased alteration. Bleached, sericite rich, soft and highly fractured.													
79.20	85.60	6.40	100	Weakly altered, medium grained, equigranular granite. Minerals include brown-black biotite, muscovite, grey quartz and white feldspar with patches of sericitisation. Few, thin joints, filled with light green sericite.													
85.60	88.35	2.75	100	Altered and bleached granite, fractured and crumbly, surrounds a complex set of veinlets and veins of cryptocrystalline quartz and light green sericite. One massive, 10cm thick vein, is underlain by a network of vuggy veinlets and moderately altered granite. Sericite rich with no mica for 90cm. Pervasive alteration and veining continued with bands of massive py up to 1cm thick, and pockets of moderately altered granite.													
88.35	90.60	2.25	100	Unaltered-weakly altered granite with approximately 50% of biotites replaced by sericite. At 89.55, a sinuous (approx. 0°CA) 2mm thick quart-pyrite veinlet for 15cm, develops into 30cm of 2cm thick vuggy dog-tooth quartz with a strong fluorite coating on the vug surface. Moderately strongly altered granite surrounds the vein. The last 0.5m.													
90.60	99.60	9.00	100	Moderately altered and weakly fractured - along vein edges. Green-grey granite with unaltered and sericitised biotite and muscovite, quartz and feldspar. Thin veins and veinlets with sulphide (pyrite) selvages.													
				END OF HOLE 99.60													

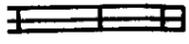
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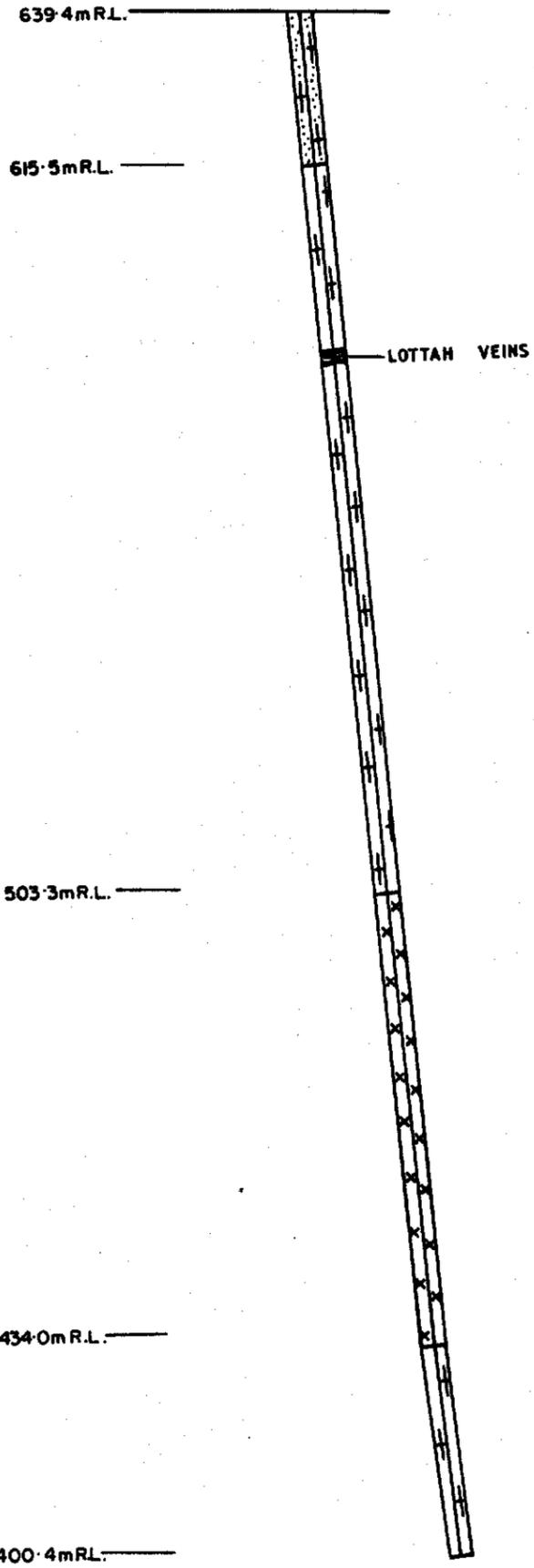


**PLAN**

5 437 832 N  
585 013 E



5 437 822 N  
585 036 E

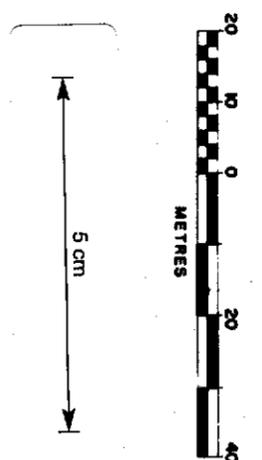


**DIP PROFILE**

HOLE NO. BT 166

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 166

Page: 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	23.9	10.9		MODERATELY WEATHERED POIMENA ADAMELLITE, UNALTERED.														
23.9	137.3	113.4		COARSE-MEDIUM GRAINED, PORPHYRITIC AND WEAKLY ALTERED POIMENA ADAMELLITE WITH SEVERAL MAJOR QUARTZ VEINS.														
137.3	208.0	70.7		FINE GRAINED, NON-PORPHYRITIC POIMENA ADAMELLITE (Dg-fp) WITH A FEW COARSE GRAINED PHASES. WEAKLY ALTERED APART FROM THE DEVELOPMENT OF SEVERAL, NARROW SILICIFIED ZONES.														
208.0	240.0	32.0		MEDIUM-COARSE GRAINED, WEAKLY PORPHYRITIC AND WEAKLY ALTERED POIMENA ADAMELLITE.														
				DETAILED LOG														
				0.0-23.9 MODERATELY WEATHERED POIMENA ADAMELLITE.														
0.0	13.0	13.0	0	Tricone. No core.														
13.0	23.9	10.9	100	Brown weathered granite. Medium grained and strongly porphyritic with large white feldspar phenocrysts up to 4cm wide. Weakly fractured with limonite pervasively developed and intense around the fractured (crumbly zones). Patches of unweathered, unfractured granite. Unaltered.														
				23.9-137.3 POIMENA ADAMELLITE WITH MAJOR QUARTZ VEINS.														
23.9	52.6	28.7	100	Grey, coarse-medium grained, strongly porphyritic granite. Large white feldspar phenocrysts, smaller pale green sericitised feldspar, quartz and black biotites, are the phases present. Overall unfractured, however a few sericite rich crushed zones (approx. 10cm wide) do occur. Rare sericite (green) coated fractures occur also. Several 2cm thick coarse grained quartz-feldspar pegmatites are developed. Unaltered.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 166

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)										
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	Sr	Rb	Cu	Ag	Mo
				At 52.2, pinkening of feldspar phenocrysts occurs.	4276	52.0	53.0	100	10	<10	120	530	5	<1	<10
					4277	53.0	54.0	100	1120	620	40	1740	120	1	10
52.6	55.0	2.4	100	Strongly altered, argillised granite with abundant sericite, quartz, hematite and crush zones for 1.3m. Pink-green in colour with all the micas replaced.	4278	54.0	55.0	100	2190	550	20	1470	165	1	10
				At 53.9, a 0.9m thick quartz-mica-sericite vein with several small vugs developed. Moderately fractured. This is underlain by 0.2m strongly sericitised, bright green-pink granite.											
55.0	100.3	45.3	100	Pink granite for 4.0m, then grey, coarse-medium grained porphyritic granite. Unfractured with several thin crush zones, and rare sericite coated fractures. Unaltered with mineral phases the same as before the altered granite/vein above. Several thin (approx. 20cm) mixed aplitic-pegmatitic phases occur. Below 63.8m, pink colour returns to granite.											
				At 64.8, a 2.0m zone of strong altered pink-green granite. Argillised with all biotites replaced. Minor quartz veining.											
				At 91.7, a 30cm vein of white quartz and black biotite with minor sericite. Blocky fractured.	4279	91.5	92.5	100	40	10	80	1200	10	<1	10
				At 100.1, 20cm of very coarse grained granite is overlain by 0.4m of fine grained biotite-rich granite.											
100.3	137.3	37.0	100	Medium grained granite. Porphyritic with feldspars up to 2cm wide. Pink-green in colour with moderate sericite development. More fractured than granite above-being fractured into short blocks with several thin (10cm) crush zones also occurring. Feldspars are semi-circular rather than long as they were in the previous granite phase. Also appears to be richer in biotite. Overall weakly sericitised. All feldspars are pinkish.											
				At 126.0, a 0.5m thick aplite of quartz and pale green sericite.											
				At 130.4, the pink colour in the feldspars disappears.											
				Below 133.6, several thin crush zones, silicified zones and patches of extreme variation in grain size occur.											

657207

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 166

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)										
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	Sr	Rb	Cu	Ag	Mo
				137.3-208.0 FINE GRAINED, NON-PORPHYRITIC POIMENA ADAMELLITE WITH A FEW COARSER GRAINED PHASES.											
					4280	137.0	139.0	100	<10	10	150	550	15	<1	20
137.3	146.0	8.7	100	Fine grained grey granite. Equigranular except for a few rare feldspar phenocrysts elongated up to 2.5cm. Alteration is very weakly developed with unaltered feldspars and biotites. A few narrow zones of sericitisation/silicification exist. Unfractured. At 145.2, a 0.8m thick clay zone. All the granite is altered to a soft clay-pale grey in colour.											
146.0	149.5	3.5	100	Silicified granite with original texture destroyed. Moderately altered. Few relict feldspar phenocrysts exist with minor sericite and pervasive grey quartz. Appears to have been a fine grained granite.	4281	146.0	148.0	100	10	10	160	580	15	<1	<10
149.5	160.9	11.4	100	Medium-coarse grained grey granite. Feldspar phenocrysts up to 2cm wide and long. Unaltered apart from several thin (20cm) silicified zones. Unfractured, with no sericite developed at all. The last 2.0m gets finer grained gradually, grading into the unit below.											
160.9	180.4	19.5	100	Fine grained grey granite, non-porphyritic apart from the occasional large (2cm long) white feldspar. Mafic inclusions- commonly occur up to 2-3cm across, consisting predominantly of black biotite. Unaltered and unfractured except for a few rare, thin sericitised fractures. Several aplitic phases (approx. 10cm thick) also exist. At 173.4, an equigranular but coarser grained (0.5cm) grey granite surrounds a thin veinlet of sericite for 1.1m.	4282	161.0	163.0	100	<10	<10	160	500	5	<1	10
180.4	184.5	4.1	100	Medium-coarse grained, porphyritic, grey granite. Unaltered overall, apart from one sericitic and silicified vein. Becomes quite coarse grained in places with large (3-4cm across) white feldspar phenocrysts.	4283	181.0	183.0	100	<10	10	200	460	5	<1	<10

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 166

Page: 4.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (all ppm)										
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	Sr	Rb	Cu	Ag	Mo
184.5	208.0	23.5	100	Fine grained grey granite. Unaltered with mafic clots and rare, small feldspar phenocrysts. Rare sericitised and silicified veins occur randomly throughout. At 189.0, a slight pinkening of the feldspars occur. This becomes slightly stronger with depth. The granite is unfractured and equigranular (around-2mm).	4284	187.0	189.0	100	<10	<10	160	470	5	<1	<10
				At 192.8, a 3cm thick white quartz vein containing minor green sericite is surrounded either side by a 3cm thick sericitised/silicified zone of alteration, of 20° CA. Between 205.1 and 206.1, and increase in veining occurs with several thin sericite filled veinlets causing a light, pale brown alteration in the enclosing granite.											
				208.0-240.0 MEDIUM-COARSE GRAINED, WEAKLY PORPHYRITIC POIMENA ADAMELLITE.											
208.0	210.2	2.2	100	Very pale grey, silicified aplite. Green sericite and pervasive quartz (very fine grained) and feldspar. Becomes pink with depth.	4285	208.0	210.0	100	20	10	10	1970	5	<1	<10
				At 209.0, a 20cm zone at 45° CA, of increased sericitisation-greisen developed. Accessory purple fluorite occurs. The upper and lower contacts of this unit are approx. 15° CA, and are both sharp.											
210.2	225.8	15.6	100	Pink, medium-coarse grained porphyritic granite. Pink feldspars up to 2-3cm across occur commonly. The top 1.0m contains pale green sericite, otherwise the unit is unaltered with rare veins and pegmatites (thin - 10cm).											
				Between 217.1 and 219.4, the pink colour is absent (a grey unaltered, medium grained granite).	4286	217.0	219.0	100	<10	<10	170	490	5	<1	<10
				At 222.5, a 5cm thick white quartz-pale pink feldspar-pale green sericite vein at 45° CA. This is surrounded above and below by a sericitised zone (biotites altered to sericite).											
				At 225.4, a 0.4m thick patch of silicified and sericitised granite.											

657209





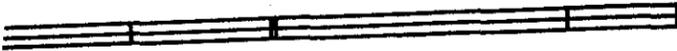
HOLE NO. BT 167

GOLD FIELDS EXPLORATION PTY LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



PLAN

5 438 940 N 584 245 E  5 438 980 N 584 271 E

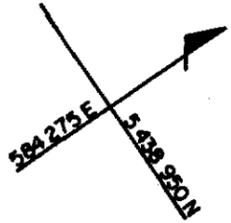
732.4m R.L.

707.7m R.L.

674.9m R.L.

616.3m R.L.

595.9m R.L.



DIP PROFILE

<0.01% Sn

657212

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 167

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA												
From	To	m	%		Sample No.	From	To	Rec. %									
				SUMMARISED LOG													
0.0	61.5	61.5		MEDIUM GRAINED, MODERATELY PORPHYRITIC POIMENA ADAMELLITE. WEAKLY WEATHERED AT FIRST, THEN VERY WEAKLY ALTERED. THIS IS UNDERLAIN BY A WELL DEVELOPED PEGMATITE/APLITE.													
61.5				CONTACT													
61.5	76.0	14.5		WEAKLY GREISENED, EQUIGRANULAR ALKALI GRANITE.													
76.0	124.0	48.0		VARIABLY GREISENED, TOPAZISED ALKALI GRANITE.													
124.0	144.5	20.5		WEAKLY AND UNALTERED ALKALI GRANITE.													
				DETAILED LOG													
				0.0-61.5 MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE. WEAKLY ALTERED WITH A WELL DEVELOPED PEGMATITE ON THE LOWER CONTACT.													
0.0	6.0			Tricone-no core recovered.													
6.0	27.3	21.3	100	Brown-grey weathered granite. Medium grained and moderately porphyritic with several strong alteration zones-abundant sericite and quartz replacing feldspars and biotites. All the larger feldspar phenocrysts are pink. Strongly weathered zones of limonite crumbly granite also exist. Overall moderately fractured and weakly altered. After 18.0, unweathered and unaltered zones (approx. 50cm long) occur.													
27.3	60.4	33.1	100	Pink-grey granite, medium grained and moderately porphyritic with feldspar phenocrysts (some pink, others white) up to 2cm across. Unaltered and unfractured with numerous thin aplites and pegmatites (all aprox 10cm wide) developed at 90° CA. Occasional fractures are filled with green sericitic clays.													

557213

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 167

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (Wt %)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn									
				At 53.6, a 0.5m quartz-pink feldspar-silvery muscovite coarse grained pegmatite.														
				The last 0.6m becomes quite sericitised with abundant lime green, soft sericite, pink feldspar and quartz.	4395	59.4	60.4	100	<0.01									
					4396	60.4	61.4	100	<0.01									
60.4	61.5	1.1	100	Pegmatitic. Large (up to 5cm long) blades of colourless, grey and white quartz with pink feldspar are mixed with abundant aplitic material, often banded at 20° CA. The aplite occurs in the centre with the two coarse grained pegmatite on the upper and lower contacts. Accessory micas and purple fluorite also exist.	4397	61.5	62.0	100	<0.01									
					4398	62.0	63.0	100	<0.01									
					4399	63.0	64.0	100	<0.01									
					4400	64.0	65.0	100	<0.01									
					4401	65.0	66.0	100	<0.01									
					4402	66.0	67.0	100	<0.01									
					4403	67.0	68.0	100	<0.01									
61.5				CONTACT	4404	68.0	69.0	100	0.01									
					4405	69.0	70.0	100	<0.01									
				61.5-76.0 WEAKLY GREISENED ALKALI GRANITE.	4406	70.0	71.0	100	<0.01									
					4407	71.0	72.0	100	<0.01									
61.5	76.0	14.5	100	Pale green alkali granite. Equigranular, medium grained and non-porphyrific with a patchily developed weak sericitic alteration. Unfractured. The unaltered-less altered section consists of quartz-feldspar and dark green sericitised micas. The stronger altered sections are less abundant and consist of quartz (colourless) and pervasive sericite, as dark green replacing micas and pale green in feldspars. Alteration overall is between these two extremes. Rare purple fluorite and red hematitic veins also occur.	4408	72.0	73.0	100	<0.01									
					4409	73.0	74.0	100	<0.01									
					4410	74.0	75.0	100	<0.01									
					4411	75.0	76.0	100	<0.01									
					4412	76.0	77.0	100	<0.01									
					4413	77.0	78.0	100	<0.01									
					4414	78.0	79.0	100	<0.01									
					4415	79.0	80.0	100	<0.01									
					4416	80.0	81.0	100	<0.01									
					4417	81.0	82.0	100	<0.01									
				76.0-124.0 VARIABLY ALTERED, TOPAZISED ALKALI GRANITE.	4418	82.0	83.0	100	<0.01									
					4419	83.0	84.0	100	<0.01									
76.0	124.0	48.0	100	Pale greenish grey and off-white alkali granite. Alteration is similar to above, however may be more intense as there is little trace of the micas. The granite consists of colourless quartz and topaz? with white feldspar and pale green sericite. Unfractured with rare, thin sericite enrichments in a vein-like form. Below 87.0 the feldspar becomes pale orange, probably due to hematite. This disappears at 94.0.	4420	84.0	85.0	100	<0.01									
					4421	85.0	86.0	100	<0.01									
					4422	86.0	87.0	100	<0.01									
					4423	87.0	88.0	100	<0.16									
					4424	88.0	89.0	100	<0.01									
					4425	89.0	90.0	100	<0.01									
					4426	90.0	91.0	100	<0.01									

657214

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE LOG AND ASSAY DATA

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 167

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (Wt %)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn									
				At 94.0, a thin (2mm) quartz veinlet is surrounded by increased sericite development.	4427	91.0	92.0	100	<0.01									
					4428	92.0	93.0	100	0.01									
X	inclusion			At 94.7 an inclusion, 4cm across of sericite and quartz (dark green) surrounded a halo of very dark green sericitised mica.	4429	93.0	94.0	100	<0.01									
					4430	94.0	95.0	100	<0.01									
					4431	95.0	96.0	100	<0.01									
				Below 94.8, the alteration changes slightly with a "blotchy" green sericite alteration occurring randomly on a small scale.	4432	96.0	97.0	100	<0.01									
				This causes the core to appear spotted, off-white and green.	4433	97.0	98.0	100	<0.01									
					4434	98.0	99.0	100	<0.01									
				Fluorite is a common accessory phase, especially on the few fractures that occur. Rare hematitic veinlets also occur.	4435	99.0	100.0	100	<0.01									
					4436	100.0	101.0	100	<0.01									
				This style of alteration ends at 108.1 and is replaced by a similar but less intense style. The granite is off-white overall, with zones (20-30cm long) of very pale green pervasive sericite-quartz.	4437	101.0	102.0	100	<0.01									
					4438	102.0	103.0	100	<0.01									
					4439	103.0	104.0	100	<0.01									
					4440	104.0	105.0	100	<0.01									
				At 116.9, the altered micas return, although they are not as abundant as normal.	4441	105.0	106.0	100	<0.01									
					4442	106.0	107.0	100	<0.01									
				Between 121.9 and 122.7, a network of brown hematitic veinlets is developed, together with increased green sericite.	4443	107.0	108.0	100	<0.01									
					4444	108.0	109.0	100	<0.01									
					4445	109.0	110.0	100	<0.01									
				124.0-144.5 UNALTERED AND WEAKLY SERICITISED ALKALI GRANITE.	4446	110.0	111.0	100	<0.01									
					4447	111.0	112.0	100	<0.01									
124.0	132.2	8.2	100	Unaltered alkali granite, pale grey, equigranular and medium grained. Colourless quartz and white feldspar together with brown biotite and rare muscovite are the main phases present. Fractures with green sericite infillings also occur but are rare.	4448	112.0	113.0	100	<0.01									
					4449	113.0	114.0	100	<0.01									
					4450	114.0	115.0	100	<0.01									
					4451	115.0	116.0	100	<0.01									
					4452	116.0	117.0	100	<0.01									
					4453	117.0	118.0	100	<0.01									
132.2	144.5	12.3	100	Green-grey sericitised (weakly) alkali granite. Pale orange feldspars and dark and light green sericitised feldspars and micas occur. Overall very weakly altered, becoming weaker with depth. Unfractured except for a few narrow sericitised crush zones.	4454	118.0	119.0	100	<0.01									
					4455	119.0	120.0	100	<0.01									
					4456	120.0	121.0	100	<0.01									
					4457	121.0	122.0	100	<0.01									
					4458	122.0	123.0	100	<0.01									
				At 140.2, a 1.0m zone of crush clayey sericitised granite is overlain and underlain by a series of hematitic-limonitic veinlets.	4459	123.0	124.0	100	0.01									
				144.5 END OF HOLE														

657215

**GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE RECORD**

*CORE KEPT  
IN BURNIE*

HOLE NO.: B.T. 168
STATE : TASMANIA

ULV. PRESS

PROJECT	BLUE TIER	<b>PURPOSE</b>  To test for extensions of the mineralisation in the Moon Mine Area.
DESIGNED BY	A.J. CARTWRIGHT	
LOGGED BY	A.J. CARTWRIGHT	
COMMENCED	21-7-83	
COMPLETED	26-7-83	

<b>LOG SUMMARY</b>  <b>GENERAL COMMENTS</b>	A 48.2m intersection of Alkali Granite was encountered at 62.8. This granite is not strongly altered, and is enclosed by Poimena Adamellite above and below. Significant assays are given below.
---	--

**ASSAY SUMMARY**

INTERVAL		Sn	(Wt%)											COMMENTS		
From	To															
61.8	110.8	<0.01														

**LOCATION**

NORTHING	5439024
EASTING	584361
R.L.	729.5
GRID	A.M.G.
LENGTH	126.0

**HOLE CONDITION**

SIZE	
Hole Size	Depth
TRICONE	0.0-17.0
BQ	17.0-126.0

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION
Hole has been left open, with a black plastic marker.

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	
0.0	332	60.0	0.0	18.1	18.1	15.7	713.8	9.1	9.1											
36.2	333	61.0	18.1	57.2	39.1	34.2	679.6	19.0	28.1											
78.2	333	59.0	57.2	99.2	42.0	36.0	643.6	21.6	49.7											
120.2	333	59.0	99.2	126.0	26.8	23.0	620.6	13.8	63.5											

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HOLE NO. BT 168

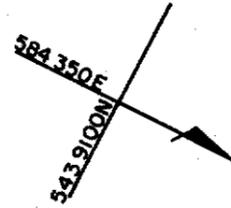
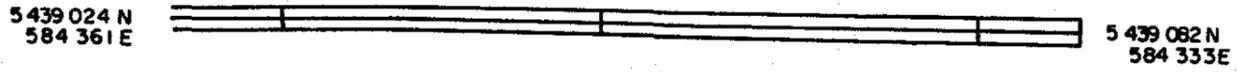
GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:

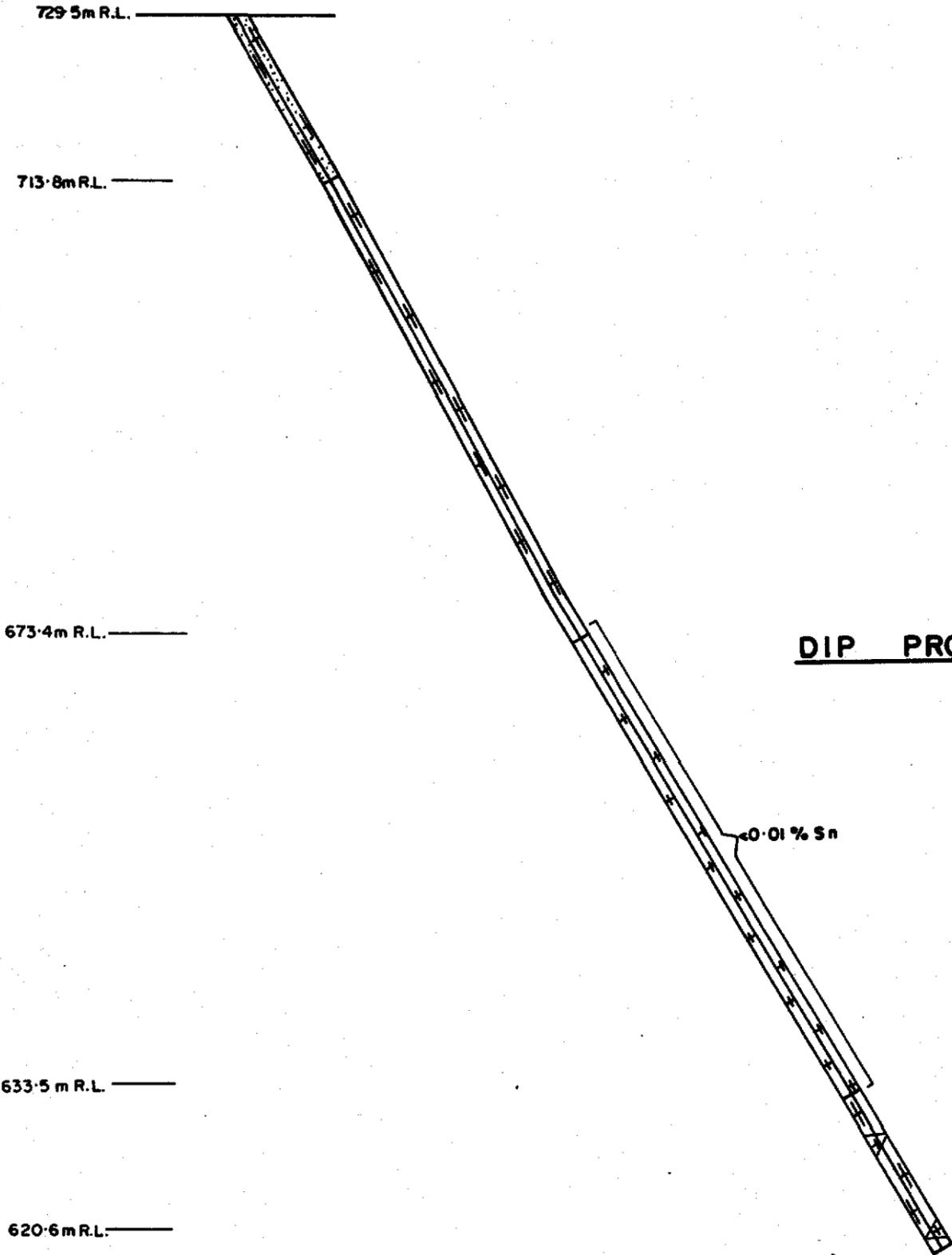


5 cm

PLAN



DIP PROFILE



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GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: BLUE TIER

• DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 168

Page: 1.

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	62.8	62.8		MODERATELY AND OCCASIONALLY STRONGLY ALTERED POIMENA ADAMELLITE. MEDIUM GRAINED AND MODERATELY PORPHYRITIC.														
62.8				CONTACT														
62.8	111.0	48.2		WEAKLY SERICITISED ALKALI GRANITE WITH PATCHES OF GREISEN WEAKLY DEVELOPED. ALSO LARGE SECTIONS OF UNALTERED ALKALI GRANITE.														
111.0				CONTACT														
111.0	126.0	15.0		UNALTERED, MEDIUM-COARSE GRAINED, PORPHYRITIC POIMENA ADAMELLITE WITH MINOR ALKALI GRANITE INTRUSIONS SURROUNDED BY THIN PEGMATITES.														
				DETAILED LOG														
				0.0-62.8 MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE. MODERATELY ALTERED.														
0.0	17.0			Tricone, no recovery.														
17.0	53.9	36.9	100	Medium grained, porphyritic pinkish-grey granite. Very weakly altered and fractured. Large pink feldspar phenocrysts up to 2.5cm across, occur. Seritisation is rare, being restricted to a few narrow (approx. 10cm) crush zones. Several thin pegmatites also occur. Pink colouration is absent in places, producing a grey granite. At 18.8, a 5cm thick pegmatite of quartz and feldspar is underlain by 20cm of pale green weakly greisenized alkali granite. At 39.5, a section of very coarse grained grey granite. Quartz and feldspar crystals are all approx. 1.5cm across.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T 168

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ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA											
From	To	m	%		Sample No.	From	To	Rec. %	Sn							
				This continues for 1.3m, then gradually decreases in grain size over the next 1.5m.												
53.9	57.3	3.4	100	Moderately to strongly altered pale green granite. Medium grained and weakly porphyritic. All feldspars are replaced by pale green sericite and all biotites are sericitised. The rock is very fractured, soft and crumbly with several 20cm thick crushed zones.												
57.3	62.8	5.5	100	Greenish grey, medium grained porphyritic granite. Weakly altered with sericite commonly developed and minor crush and fractured zones occurring. Also zones up to 60cm long, of increased alteration and sericitisation (pale green as above) occur, including one over the last 80cm of this unit.	4541	61.8	62.8	100	<0.01							
					4542	62.8	63.8	100	0.02							
				62.8 CONTACT	4543	63.8	64.8	100	0.01							
					4544	64.8	65.8	100	0.01							
				62.8-111.0 WEAKLY AND MODERATELY ALTERED ALKALI GRANITE.	4545	65.8	66.8	100	0.01							
					4546	66.8	67.8	100	0.01							
62.8	66.0	3.2	100	Green alkali granite. Weakly and moderately greisenized, with some unaltered sections. Alteration varies overall, with darker and lighter green zones. Micas are replaced but their pseudomorphs are still visible. Unfractured.	4547	67.8	68.8	100	0.01							
					4548	68.8	69.8	100	0.01							
					4549	69.8	70.8	100	<0.01							
					4550	70.8	71.8	100	<0.01							
					4551	71.8	72.8	100	<0.01							
66.0	82.7	16.7	100	Very weakly altered alkali granite. Pale brown with sericite only weakly developed in a few micas, and restricted to fracture coatings. Moderately to highly fractured-blocky. A pale orange stain is also developed in the feldspars, probably due to hematite.	4552	72.8	73.8	100	0.01							
					4553	73.8	74.8	100	0.01							
					4554	74.8	75.8	100	0.01							
					4555	75.8	76.8	100	<0.01							
					4556	76.8	77.8	100	<0.01							
					4557	77.8	78.8	100	<0.01							
82.7	104.3	21.6	100	Weakly altered alkali granite as above, but several zones (approx. 1.0m thick) of increased alteration occur. These are characterised by a weakly developed pervasive sericitisation. Biotites and muscovites are still largely unaltered. Weakly fractured with hematitic (orange-red) zones also developed.	4558	78.8	79.8	100	<0.01							
					4559	79.8	80.8	100	<0.01							
					4560	80.8	81.8	100	0.01							
					4561	81.8	82.8	100	0.01							
					4562	82.8	83.8	100	<0.01							

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 168

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA														
From	To	m	%		Sample No.	From	To	Rec. %	Sn										
				The granite also appears to be slightly sericitised.	4563	83.8	84.8	100	<0.01										
					4564	84.8	85.8	100	<0.01										
104.3	111.0	6.7	100	Pale green alkali granite. Weakly greisened and unfractured. All the micas are pseudomorphed by pale and dark green sericite.	4565	85.8	86.8	100	<0.01										
				The lower contact of this unit is marked by a 3cm coarse grained quartz pegmatite at 50° CA.	4566	86.8	87.8	100	<0.01										
					4567	87.8	88.8	100	<0.01										
					4568	88.8	89.8	100	<0.01										
					4569	89.8	90.8	100	<0.01										
				111.0 CONTACT	4570	90.8	91.8	100	<0.01										
					4571	91.8	92.8	100	<0.01										
				111.0-126.0 MEDIUM-COARSE GRAINED, UNALTERED POIMENA ADAMELLITE WITH NUMEROUS, THIN PEGMATITE AND ALKALI GRANITE PHASES.	4572	92.8	93.8	100	0.01										
					4573	93.8	94.8	100	<0.01										
					4574	94.8	95.8	100	<0.01										
111.0	126.0	15.0	100	Pink-grey medium-coarse grained granite, with large (2cm) pink feldspar phenocrysts. Some zones of sericitisation, otherwise unaltered. Unfractured. This granite phase is disrupted by many weakly greisened, pale green alkali granites, varying in thickness from 5cm to 30cm. Narrow pegmatites or coarse grained variations surround these alkali granites.	4575	95.8	96.8	100	<0.01										
					4576	96.8	97.8	100	<0.01										
					4577	97.8	98.8	100	<0.01										
					4578	98.8	99.8	100	<0.01										
					4579	99.8	100.8	100	<0.01										
					4580	100.8	101.8	100	<0.01										
					4581	101.8	102.8	100	<0.01										
				END OF HOLE 126.0m.	4582	102.8	103.8	100	<0.01										
					4583	103.8	104.8	100	<0.01										
					4584	104.8	105.8	100	<0.01										
					4585	105.8	106.8	100	<0.01										
					4586	106.8	107.8	100	<0.01										
					4587	107.8	108.8	100	<0.01										
					4588	108.8	109.8	100	<0.01										
					4589	109.8	110.8	100	<0.01										

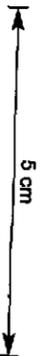
657220



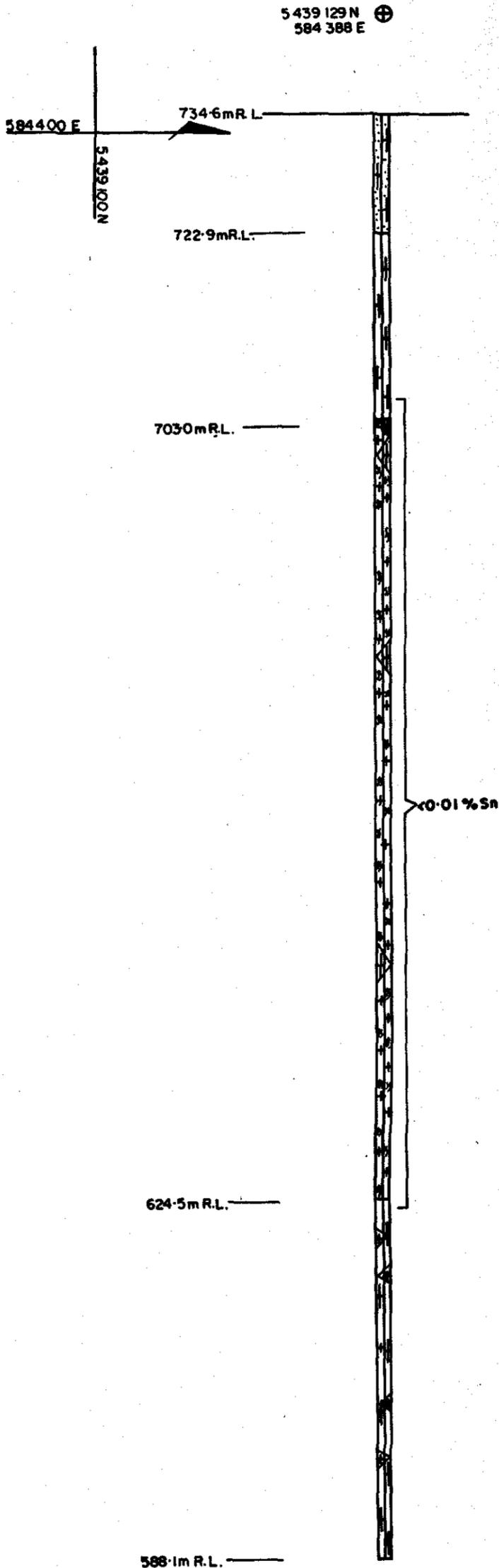
HOLE NO. BT 169

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



PLAN



DIP PROFILE

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 169

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	31.6	31.6		UNALTERED, MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE WITH A WELL DEVELOPED BASAL PEGMATITE/APLITE COMPLEX.														
31.6				CONTACT														
31.6	110.3	78.7		STRONGLY ALTERED ALKALI GRANITE, GREISENED AND SERICITISED. NUMEROUS POIMENA ADAMELLITE XENOLITHS OCCUR.														
110.3				CONTACT														
110.3	146.5	36.2		WEAKLY ALTERED, MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE CONTAINING MINOR ALKALI GRANITE INTRUSIONS.														
				DETAILED LOG														
				0.0-31.6 UNALTERED, MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE WITH A PEGMATITIC ZONE DEVELOPED AT THE BASAL CONTACT.														
0.0	12.0			Tricone, no core recovered.														
12.0	29.0	17.0	100	Grey, medium grained porphyritic granite, consisting of large pinkish feldspar phenocrysts, smaller pale green feldspar and colourless quartz phenocrysts and numerous black biotites. Unfractured and unaltered with a few incipiently weathered zones. Also a few crushed-sericitised zones occur (30-40cm. thick).														
				At 28.1, a 0.5m zone of pale red hematitic, highly altered silicified granite. Vuggy in places with all the micas replaced. This is underlain by 0.4m of highly altered granite with green sericitised feldspar.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 169

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ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA														
From	To	m	%		Sample No.	From	To	Rec. %	Sn	wt%									
29.0	31.6	2.6	100	Pegmatite and medium grained porphyritic granite. The first 0.8m of this unit is a grey coarse grained pegmatite with minor aplitic phases. The feldspars are pale pink and pale green, sericite is common. Accessory purple fluorite also occurs.  This is underlain by 1.3m of moderately weathered, limonitised medium grained granite. Alteration is strong with numerous quartz veinlets and crush zones.  Beneath this is a 0.5m thick pale green quartz pegmatite.	4596	29.0	30.0	100	<0.01										
					4597	30.6	31.6	100	<0.01										
					4598	31.6	32.6	100	0.01										
					4599	32.6	33.6	100	0.01										
					4600	34.8	35.8	100	<0.01										
					4601	35.8	36.8	100	<0.01										
					4602	36.8	37.8	100	<0.01										
					4603	37.8	38.8	100	<0.01										
					4604	38.8	39.8	100	<0.01										
					4605	39.8	40.8	100	<0.01										
				31.6 CONTACT	4606	40.8	41.8	100	<0.01										
					4607	41.8	42.8	100	<0.01										
				31.6-110.3 VARIABLY BUT STRONGLY ALTERED AND GREISENED ALKALI GRANITE WITH NUMEROUS POIMENA XENOLITHS.	4608	42.8	43.8	100	<0.01										
					4609	43.8	44.8	100	<0.01										
					4610	44.8	45.8	100	0.02										
31.6	33.2	1.6	100	Pale green, equigranular, medium grained alkali granite. Banded with numerous pegmatites and several thick Poimena inclusions, it is weakly greisened.	4611	45.8	46.8	100	<0.01										
					4612	46.8	47.8	100	<0.01										
					4613	47.8	48.8	100	0.01										
					4614	48.8	49.8	100	0.01										
33.2	34.8	2.6	100	A large Poimena inclusion. The granite is strongly altered and moderately fractured-softish. Large pink feldspar phenocrysts and smaller green (sericitised) ones occur. Quartz veinlets are common.	4615	49.8	50.8	100	0.01										
					4616	50.8	51.8	100	0.02										
					4617	51.8	52.8	100	<0.01										
					4618	52.8	53.8	100	0.01										
34.8	45.5	10.7	100	Moderately greisened, in some places stronger than others, alkali granite. Its colour is a variety of greens with some narrow, very dark patches. Moderately fractured with a blockiness developed occasionally. The micas are pseudomorphed and secondary micas are found along with accessory fluorite on joint surfaces. Quartz-sericite veinlets, pegmatites and coarse grained variants are all common features.  At 42.8, a 2-3m thick Poimena inclusion. Pink-green and highly altered with numerous brown sericite veinlets.															
45.5	53.3	7.8	100	Topazised? alkali granite. Very pale green, equigranular with															

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 169

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA											
From	To	m	%		Sample No.	From	To	Rec. %	Sn	wt%						
				no trace of micas. A sugary texture. Weakly fractured with limonitic coatings. Similar grainsize variant to above also occur.												
53.3	57.8	4.5	100	A Poimena inclusion. An abrupt upper contact with a coarse-medium grained very pink-green strongly altered granite. Unfractured and not veined. The lower contact is angular at 40° CA.												
57.8	85.0	27.2	100	Weakly greisenized alkali granite. Patchy altered, with dark and light green zones. Micas are partially replaced. The top 0.5m is silicified (in contact with above). Fractures are rare, some are covered in bright purple fluorite.	4619	57.8	58.8	100	0.01							
				At 74.4 a bleached silicified portion of granite for 0.4m then at 75.7 a 0.4m section of dark green-sericite-very fine grained.	4620	58.8	59.8	100	<0.01							
				Below 76.0, the alteration becomes highly variable on a 0.5m scale, with zones of:- topazised? granite very dark green sericitised granite and pervasively silicified/sericitised granite.	4621	59.8	60.8	100	<0.01							
					4622	60.8	61.8	100	0.02							
					4623	61.8	62.8	100	0.01							
					4624	62.8	63.8	100	0.01							
					4625	63.8	64.8	100	0.01							
					4626	64.8	65.8	100	0.01							
					4627	65.8	66.8	100	0.01							
					4628	66.8	67.8	100	0.01							
					4629	67.8	68.8	100	0.01							
					4630	68.8	69.8	100	0.01							
85.0	87.1	2.1	100	Poimena inclusion. Strongly altered, weakly fractured with several thin (5cm) pegmatites. Colours include-pink, green and dark grey. Also minor intrusions of alkali granite occur.	4631	69.8	70.8	100	0.01							
					4632	70.8	71.8	100	<0.01							
					4633	71.8	72.8	100	0.01							
					4634	72.8	73.8	100	<0.01							
87.1	110.3	23.2	100	Alkali granite. The top 0.6m is topazised? pale green with no mica pseudomorphs. This is underlain by weakly greisenized, possibly slightly topazised granite. This unit is unusual because all the minerals, quartz, feldspars and micas are elongated in a direction 45° CA. Weakly fractured with abundant green sericite and purple fluorite coatings.	4635	73.8	74.8	100	0.01							
					4636	74.8	75.8	100	0.01							
					4637	75.8	76.8	100	<0.01							
					4638	76.8	77.8	100	0.01							
					4639	77.8	78.8	100	0.01							
					4640	78.8	79.8	100	0.01							
				At 104.1 a 30cm crumbly crush zone of white clays.	4641	79.8	80.8	100	0.01							
				At 108.4 a 20cm Poimena xenolith-pink green, highly altered and surrounded by an alteration halo (narrow) within the alkali granite.	4642	80.8	81.8	100	0.01							
					4643	81.8	82.8	100	0.01							
					4644	82.8	83.8	100	<0.01							
					4645	83.8	84.8	100	<0.01							

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 169

Page: 4.

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	wt%								
				110.3 CONTACT	4646	84.8	85.8	100	<0.01									
					4647	85.8	86.8	100	<0.01									
				110.3-146.5 WEAKLY ALTERED, MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE WITH MINOR ALKALI GRANITE INTRUSIONS.	4648	86.8	87.8	100	0.01									
					4649	87.8	88.8	100	0.01									
					4650	88.8	89.8	100	0.01									
110.3	146.5	36.2	100	Medium grained, porphyritic pink-grey granite. Weakly altered with minor sericite developed. Pink pegmatites and aplites are common (a 0.8m thick one at 115.0). Weakly fractured. Pink feldspar phenocrysts up to 2cm across occur. The top 3.0m also contains several thin alkali granite intrusions. These become ever thicker (approx. 0.5m) and more frequent with depth, as do the pegmatites (usually associated with the alkali granites). Between 127.2 and 131.0, approximately 50% of the core is alkali granite. Relatively fresh with altered zones occurring on the contacts.	4651	89.8	90.8	100	0.01									
					4652	90.8	91.8	100	0.01									
					4653	91.8	92.8	100	0.01									
					4654	92.8	93.8	100	0.01									
					4655	93.8	94.8	100	<0.01									
					4656	94.8	95.8	100	0.01									
					4657	95.8	96.8	100	0.01									
					4658	96.8	97.8	100	<0.01									
					4659	97.8	98.8	100	<0.01									
					4660	98.8	99.8	100	<0.01									
					4661	99.8	100.8	100	0.01									
					4662	100.8	101.8	100	<0.01									
				END OF HOLE 146.5m.	4663	101.8	102.8	100	0.01									
					4664	102.8	103.8	100	<0.01									
					4665	103.8	104.8	100	<0.01									
					4666	104.8	105.8	100	<0.01									
					4667	105.8	106.8	100	<0.01									
					4668	106.8	107.8	100	<0.01									
					4669	107.8	108.8	100	<0.01									
					4670	108.8	109.8	100	0.01									
					4671	109.8	110.8	100	0.01									

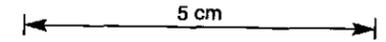
657226



HOLE NO. BT 170

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



PLAN

5 439 248 N ⊕  
584 321 E

725.8mR.L.

693.6mR.L.

5 439 200 N

584 300 E

DIP PROFILE

< 0.01 % Sn

617.4mR.L.

657228

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 170

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	wt%								
				SUMMARISED LOG	4725	30.0	31.0	100	<0.01									
					4726	31.0	32.0	100	<0.01									
0.0	30.0	30.0		UNALTERED, MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE.	4727	32.0	33.0	100	<0.01									
					4728	33.0	34.0	100	<0.01									
30.0				CONTACT:	4729	34.0	35.0	100	<0.01									
					4730	35.0	36.0	100	<0.01									
30.0	106.5	76.5		INCIPIENTLY AND WEAKLY ALTERED, MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE.	4731	36.0	37.0	100	<0.01									
					4732	37.0	38.0	100	<0.01									
					4733	38.0	39.0	100	<0.01									
				DETAILED LOG	4734	39.0	40.0	100	<0.01									
					4735	40.0	41.0	100	<0.01									
				0.0-30.0 UNALTERED, MEDIUM GRAINED POIMENA ADAMELLITE.	4736	41.0	42.0	100	<0.01									
					4737	42.0	43.0	100	<0.01									
0.0	30.0	16.0	100	Medium grained, porphyritic grey granite. Unaltered with pink (hematitic) feldspar phenocrysts up to 2cm across (rarely 3.5cm). Weakly fractured. The granite is mildly weathered with limonite stained fractures down to 26.0m. At 26.81 a 10cm thick very coarse grained vuggy quartz pegmatite overlies 10cm of mildly greisenized alkali granite. Below 29.4, 0.3m of pale yellow strongly sericitised, soft granite occurs and this is in contact with 0.3 of silicified but weakly altered granite. Another abrupt contact occurs with the unit below.	4738	43.0	44.0	100	<0.01									
					4739	44.0	45.0	100	<0.01									
					4740	45.0	46.0	100	<0.01									
					4741	46.0	47.0	100	<0.01									
					4742	47.0	48.0	100	<0.01									
					4743	48.0	49.0	100	<0.01									
					4744	49.0	50.0	100	<0.01									
					4745	50.0	51.0	100	<0.01									
					4746	51.0	52.0	100	<0.01									
					4747	52.0	53.0	100	<0.01									
				30.0 CONTACT	4748	53.0	54.0	100	<0.01									
					4749	54.0	55.0	100	<0.01									
				30.0-106.5 WEAKLY ALTERED ALKALI GRANITE.	4750	55.0	56.0	100	<0.01									
					4801	56.0	57.0	100	<0.01									
30.0	58.5	28.5	100	Pale green weakly greisenized and sericitised alkali granite. A variety of alteration styles occur with green sericitised micas and feldspars showing a range of intensities of replacement. Yellow-brown sericite is also common. Mica pseudomorphs are always present. Unfractured.	4802	57.0	58.0	100	<0.01									
					4803	58.0	59.0	100	<0.01									
					4804	59.0	60.0	100	<0.01									
					4805	60.0	61.0	100	<0.01									
					4806	61.0	62.0	100	<0.01									
					4807	62.0	63.0	100	<0.01									
					4808	63.0	64.0	100	<0.01									
					4809	64.0	65.0	100	<0.01									

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 170

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA															
From	To	m	%		Sample No.	From	To	Rec. %	Sn	wt%										
				brown micas occurs.	4810	65.0	66.0	100	<0.01											
					4811	66.0	67.0	100	<0.01											
58.5	106.5	48.0	100	Incipiently altered alkali granite. Pale yellow-white in	4812	67.0	68.0	100	<0.01											
				colour with pseudomorphed (by sericite) micas sparsely scattered	4813	68.0	69.0	100	<0.01											
				randomly throughout. A sugary granitic texture of white and	4814	69.0	70.0	100	<0.01											
				colourless quartz feldspar is developed. Medium grained and	4815	70.0	71.0	100	<0.01											
				unfractured.	4816	71.0	72.0	100	<0.01											
				At 61.5, 1.0m of highly silicified colourless granite with	4817	72.0	73.0	100	<0.01											
				brown micas occurs.	4818	73.0	74.0	100	<0.01											
					4819	74.0	75.0	100	<0.01											
				END OF HOLE 106.5m.	4820	75.0	76.0	100	<0.01											
					4821	76.0	77.0	100	<0.01											
					4822	77.0	78.0	100	<0.01											
					4823	78.0	79.0	100	<0.01											
					4824	79.0	80.0	100	<0.01											
					4825	80.0	81.0	100	<0.01											
					4826	81.0	82.0	100	<0.01											
					4827	82.0	83.0	100	<0.01											
					4828	83.0	84.0	100	<0.01											
					4829	84.0	85.0	100	<0.01											
					4830	85.0	86.0	100	<0.01											
					4831	86.0	87.0	100	<0.01											
					4832	87.0	88.0	100	<0.01											
					4833	88.0	89.0	100	<0.01											
					4834	89.0	90.0	100	<0.01											
					4835	90.0	91.0	100	<0.01											
					4836	91.0	92.0	100	<0.01											
					4837	92.0	93.0	100	<0.01											
					4838	93.0	94.0	100	<0.01											
					4839	94.0	95.0	100	<0.01											
					4840	95.0	96.0	100	<0.01											
					4841	96.0	97.0	100	<0.01											
					4842	97.0	98.0	100	<0.01											
					4843	98.0	99.0	100	<0.01											
					4844	99.0	100.0	100	<0.01											

657230

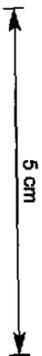




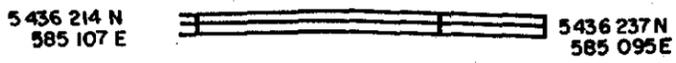
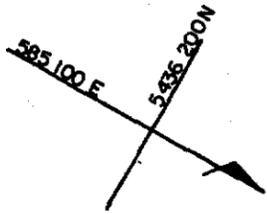
HOLE NO. BT 171

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

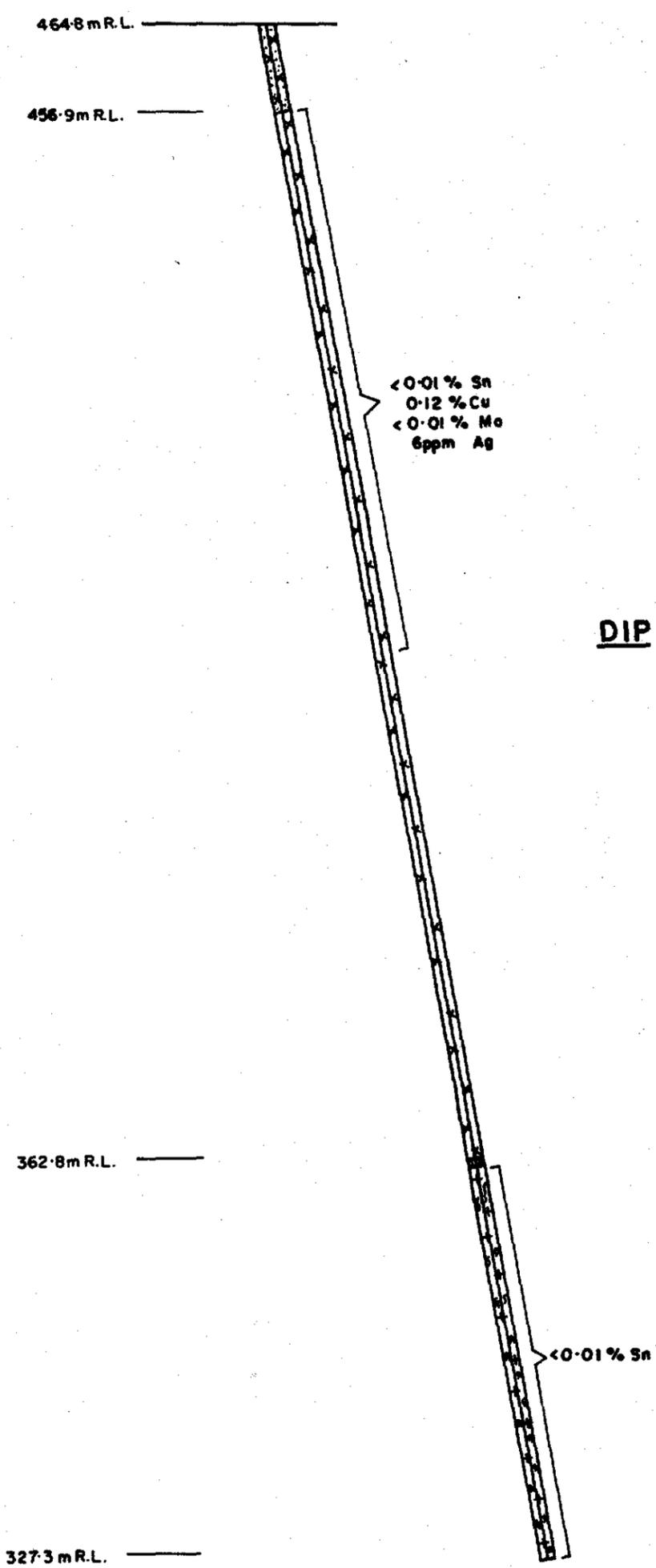
SCALE 1:



PLAN



DIP PROFILE



657233

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 171

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	Cu	(wt%)	Ag	Mo	(ppm)				
				SUMMARISED LOG	4791	8.0	9.0	100	<0.01	0.01		1	<1					
					4792	9.0	10.0	100	<0.01	0.03		<1	<1					
0.0	103.7	100.7		FINE GRAINED, NON-PORPHYRITIC DG-FP, VARIABLY BUT USUALLY WEAKLY	4793	10.0	11.0	100	0.01	0.01		<1	<1					
				ALTERED WITH NUMEROUS VERTICAL VEINLETS OF QUARTZ, SERICITE,	4794	11.0	12.0	100	0.01	0.03		2	<.01					
				BORNITE AND CHALCOPYRITE.	4795	12.0	13.0	100	<0.01	0.02		1	<.01					
					4796	13.0	14.0	100	0.01	0.08		2	<.01					
103.7				CONTACT	4797	14.0	15.0	100	0.01	0.08		3	<.01					
					4798	15.0	16.0	100	0.01	0.01		1	<.01					
103.7	140.0	36.3		MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE. OVERALL MILDLY ALTER-	4799	16.0	17.0	100	0.01	0.08		4	<.01					
				ED WITH SOME STRONGLY GREISENED PATCHES DEVELOPED. THE UPPER	4800	17.0	18.0	100	<0.01	0.05		4	<.01					
				CONTACT IS MARKED BY AN ALTERED ZONE OF MIXED LITHOLOGIES;	4851	18.0	19.0	100	0.01	0.07		2	<.01					
				ALKALI GRANITE, PEGMATITE AND APLITE.	4852	19.0	20.0	100	<0.01	0.23		14	<.01					
					4853	20.0	21.0	100	0.01	0.31		10	<.01					
					4854	21.0	22.0	100	0.01	0.01		2	<.01					
				DETAILED LOG	4855	22.0	23.0	100	0.01	0.01		<1	<.01					
					4856	23.0	24.0	100	<0.01	<0.01		<1	<.01					
				0.0-103.7 FINE GRAINED, WEAKLY ALTERED DG-FP ADAMELLITE WITH	4857	24.0	25.0	100	0.01	0.13		4	<.01					
				NUMEROUS QUARTZ AND QUARTZ-SULPHIDE VEINS.	4858	25.0	26.0	100	0.02	0.16		6	<.01					
					4859	26.0	27.0	100	0.01	0.01		1	<.01					
0.0	8.0			Tricone - no core recovered.	4860	27.0	28.0	100	0.02	0.10		5	<.01					
					4861	28.0	29.0	100	0.01	0.10		4	<.01					
8.0	15.0	7.0	100	Pink-grey, fine grained, very weakly porphyritic granite.	4862	29.0	30.0	100	<0.01	0.15		6	<.01					
				Moderately altered (yellow sericitised feldspars are common)	4863	30.0	31.0	100	0.01	0.06		2	<.01					
				and weathered (abundant limonite staining). Highly fractured.	4864	31.0	32.0	100	0.01	0.06		3	<.01					
				Typical granitic texture with a few feldspar phenocrysts up to	4865	32.0	33.0	100	0.01	0.16		6	<.01					
				1m across. Minor quartz veining.	4866	33.0	34.0	100	<0.01	0.03		1	<.01					
				At 13.5, a 0.5m long, 2mm wide, quartz-mica-bornite-veinlet	4867	34.0	35.0	100	<0.01	0.04		3	<.01					
				at 0° CA.	4868	35.0	36.0	100	<0.01	0.02		1	<.01					
					4869	36.0	37.0	100	<0.01	<0.01		<1	<.01					
15.0	103.7	85.7	97	Unweathered, grey, fine-grained, almost non-porphyritic granite.	4870	37.0	38.0	100	0.01	0.29		17	<.01					
				Very weakly altered with occasional pink-yellow stronger altered	4871	38.0	39.0	100	<0.01	<0.01		1	<.01					
				patches. These usually enclose quartz-chalcopyrite-bornite veins	4872	39.0	40.0	100	<0.01	0.05		3	.01					
(27.2-30.2, 2.0m recovered)				which are abundant. Sericite filled fractures are quite common.	4873	40.0	41.0	100	0.01	0.12		5	<.01					
				Hematite (red) and malachite(?) (green) also occur as fracture	4874	41.0	42.0	100	0.01	0.17		7	<.01					
				coatings. Thin aplite/pegmatites (<5cm thick) of pink feldspar	4875	42.0	43.0	100	0.01	0.10		4	<.01					

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 171

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	Cu	(wt%)	Ag	MO	(ppm)				
				and white quartz are found below 30.0. The sulphide veins are	4876	43.0	44.0	100	0.01	0.23		11	<.01					
				all between 0°-20° CA. The granite becomes slightly coarser	4877	44.0	45.0	100	0.01	0.11		5	<.01					
				grained and slightly more porphyritic in places.	4878	45.0	46.0	100	<0.01	<0.01		<1	<.01					
				Below 57.0, the quartz-sulphide veins are absent, and the core	4879	46.0	47.0	100	<0.01	0.69		36	<.01					
				is less fractured (unfractured). Also it gradually becomes	4880	47.0	48.0	100	<0.01	0.25		16	<.01					
				unaltered, apart from 0.5m thick zones of increased fracturing	4881	48.0	49.0	100	0.01	0.28		13	<.01					
				and sericite development between 80.0 and 89.0. Beneath this,	4882	49.0	50.0	100	0.01	0.24		12	<.01					
				the granite is unaltered again, with minor quartz veining.	4883	50.0	51.0	100	<0.01	0.32		17	<.01					
				After 100.5, the quartz veining with associated alteration	4884	51.0	52.0	100	<0.01	0.08		13	<.01					
				haloes increases, along with increased sericite development.	4885	52.0	53.0	100	<0.01	0.01		1	<.01					
					4886	53.0	54.0	100	0.01	0.21		23	<.01					
103.70				CONTACT	4887	54.0	55.0	100	<0.01	0.19		10	<.01					
					4888	55.0	56.0	100	0.01	0.18		11	<.01					
				103.70-140.0 MILDLY ALTERED, MEDIUM GRAINED ALKALI GRANITE.	4889	56.0	57.0	100	0.01	0.21		11	<.01					
				AN APLITIC/PEGMATITIC COMPLEX IS DEVELOPED ON THE UPPER CONTACT.	4890	103.7	105.0	100	<0.01				<					
					4891	105.0	106.0	100	0.01									
103.70	104.8	1.1	100	A mixed greisenized alkali granite - coarse grained pegmatite -	4892	106.0	107.0	100	<0.01									
				layered (80° CA) aplitic complex. Green sericitised alkali gran-	4893	107.0	108.0	100	<0.01									
				ite with pseudomorphed micas has horizons of 10cm thick coarse	4894	108.0	109.0	100	<0.01									
				(3 cm) grained feldspar (pink), quartz and biotite pegmatite.	4895	109.0	110.0	100	<0.01									
				Aplitic (very fine grained) phases of alkali granite also occur.	4896	110.0	111.0	100	<0.01									
				Fractures are rare, with sericite-fluorite coatings.	4897	111.0	112.0	100	<0.01									
					4898	112.0	113.0	100	<0.01									
104.8	140.0	35.2	100	Patchily but overall weakly altered alkali granite. Medium grain-	4899	113.0	114.0	100	<0.01									
				ed and non-porphyritic, it is weakly and moderately sericitised.	4900	114.0	115.0	100	<0.01									
				Large (several metre) zones of a dark green siliceous greisen	4901	115.0	116.0	100	<0.01									
				occur randomly. Narrower (approx. 0.5m) zones of bleached	4902	116.0	117.0	100	<0.01									
				granite with no micas or pseudomorphs developed are less common.	4903	117.0	118.0	100	<0.01									
				The core is unfractured and unveined.	4904	118.0	119.0	100	<0.01									
				At 125.1, a 0.4m long intergrowth of green sericite and white	4905	119.0	120.0	100	<0.01									
				quartz. Sinuous in an irregular vein-like intergrowth.	4906	120.0	121.0	100	<0.01									
				At 135.7, another such intergrowth occurs, with purple	4907	121.0	122.0	100	<0.01									
				fluorite developed as well.	4908	122.0	123.0	100	<0.01									
				The last 20.0m of this unit does not contain any strong alter-	4909	123.0	124.0	100	0.02									
				ation zones and exhibits a uniform weakly altered state.	4910	124.0	125.0	100	0.03									
				END OF HOLE 140.0														

657235





HOLE NO. BT 172

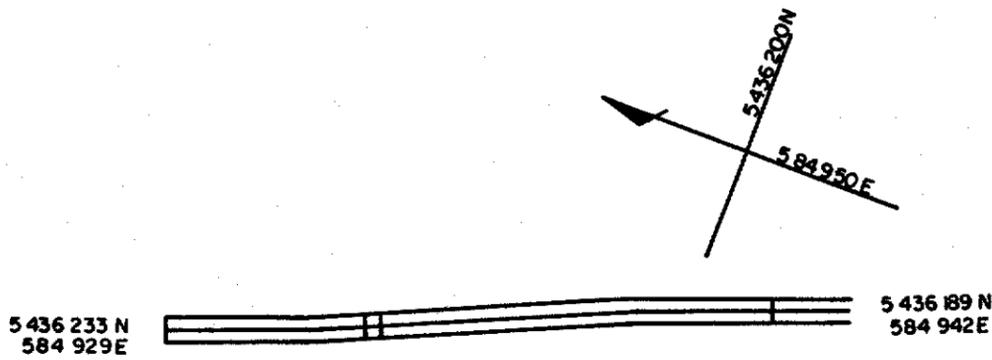
GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:

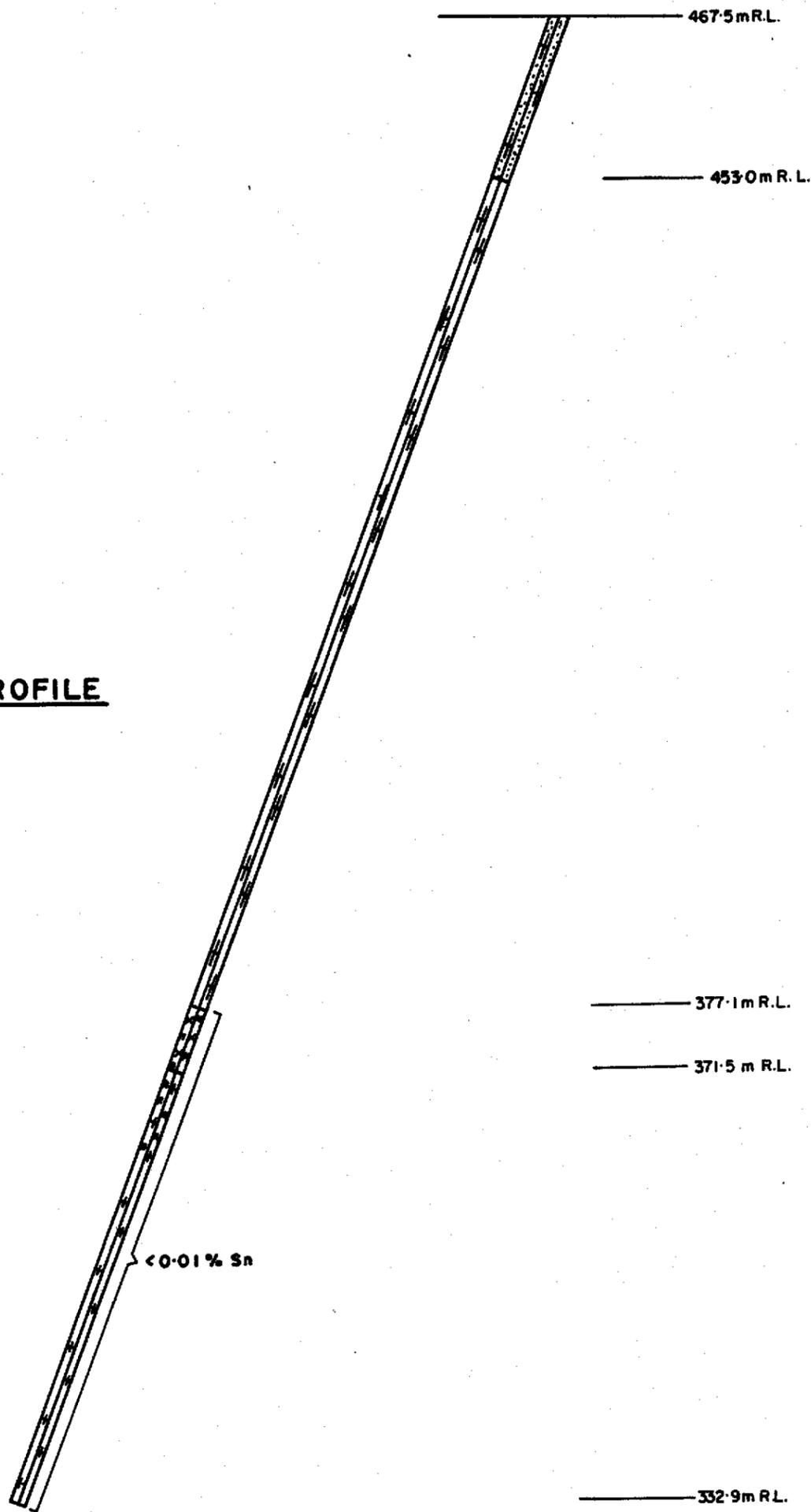


5 cm

**PLAN**



**DIP PROFILE**



657238



GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: Blue Tier

HOLE NUMBER: B.T. 172

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	94.0	94.0		VARIABLY BUT OVERALL WEAKLY ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE. HEMATITIC ALTERATION INCREASES WITH DEPTH.														
94.0				CONTACT														
94.0	100.2	6.2		HIGHLY ALTERED DG-FP GRANITE, WITH SILICIFIED ZONES AND ABUNDANT SERICITISATION.														
100.2				CONTACT.														
100.2	141.0	40.8		MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE, INITIALLY MODERATELY GREISENED, THEN ONLY WEAKLY ALTERED.														
				DETAILED LOG														
				0.0-94.0 INCIPIENTLY ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE.														
0.0	7.0			Tricone. No core recovered.														
7.0	14.8	4.8	62	Moderately weathered, brown, medium grained granite. Porphyritic (core lost between 10.0-13.0) with large (up to 1.5cm) feldspar phenocrysts. Moderately and highly fractured with some crumbly zones. Brown limonite and white clays are common. Unaltered.														
14.8	61.0	46.2	100	Unaltered, medium grey granite. Medium grained and porphyritic as above. Weakly fractured with a few crushed zones, quartz veinlets and sericite coated fractures. The crushed zones are characterised by a pink colouration in the feldspar phenocrysts (hematite) and the development of pale green sericite causing a softening of the rock. The granite around these zones is pink up to 3-4m away.  At 31.1 and 31.8, two 0.2m thick, flat lying, weakly greisened alkali granite intrusions occur.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: Blue Tier

HOLE NUMBER: B.T. 172

Page: 2.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)														
From	To	m	%		Sample No.	From	To	Rec. %	Sn										
61.0	94.0	33.0	100	A thick (2.0m) zone of strongly altered, pale pink-grey granite occurs. Pale grey sericite is common, pervasively with quartz. All trace of micas is gone. Patches of silicified (medium grey) granite are developed. Fractures are abundant with clay coatings.															
				Below this altered zone, the medium grained, porphyritic granite is pink with no grey granite patches. Fractured and crushed zones are still common. Weakly altered overall, apart from a few minor sericitised zones (thin, 20-30cm) similar to the one described above. In places the granite is quite red with hematitic alteration well developed. Rare, thin (5cm) pegmatites and aplites occur.															
				At 75.4, a 5cm thick pink-red pegmatite is underlain by 0.5m of dark grey silicified, sericitised aplitic granite.															
				A moderately gradational contact with the unit below occurs.															
94.0				CONTACT	5451	94.0	95.0	100	60										
					5452	95.0	96.0	100	30										
				94.0-100.2 HIGHLY ALTERED DG-FP	5453	96.0	97.0	100	30										
					5454	97.0	98.0	100	20										
94.0	100.2	6.2	100	Highly altered, sericitised fine grained, non-porphyritic granite. Much of the original texture has been replaced with a pervasive silicification and sericitisation. Pale green and grey, moderately fractured, in places crumbly and soft with sericite and rare fluorite coating and infilling fractures. Molybdenite is also present. Dark grey silicified zones and a few weakly altered granite zones occur. Rare feldspar phenocrysts (2cm long) are also discernable. Could be medium grained Poimena Adamellite in places. No pegmatite on lower contact.	5455	98.0	99.0	100	20										
					5456	99.0	100.0	100	20										
					5457	100.0	101.0	100	30										
					5458	101.0	102.0	100	30										
					5459	102.0	103.0	100	60										
					5460	103.0	104.0	100	40										
					5461	104.0	105.0	100	30										
					5462	105.0	106.0	100	50										
					5463	106.0	107.0	100	20										
					5464	107.0	108.0	100	20										
100.2				CONTACT	5465	108.0	109.0	100	20										
					5466	109.0	110.0	100	10										
				100.2-141.0 MODERATELY ALTERED, WEAKLY GREISENED ALKALI GRANITE.	5467	110.0	111.0	100	10										
					5468	111.0	112.0	100	20										
100.2	106.0	5.8	100	Moderately altered, greisenized alkali granite. Medium grained,	5469	112.0	113.0	100	10										

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: Blue Tier

HOLE NUMBER: B.T. 172

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)														
From	To	m	%		Sample No.	From	To	Rec. %	Sn										
				equigranular and unfractured. Alteration is variable ranging from	5470	113.0	114.0	100	20										
				weakly sericitised to moderately greisened, in a patchy random	5471	114.0	115.0	100	20										
				fashion. Veins of quartz sericite and fluorite occur. The colours	5472	115.0	116.0	100	20										
				of the granite are pale green-cream to very dark green-grey.	5473	116.0	117.0	100	20										
					5474	117.0	118.0	100	10										
106.0	141.0	35.0	100	Pale green-orange grey alkali granite. Very weakly altered	5475	118.0	119.0	100	10										
				(abrupt contact with the more altered phase above) and unfractured	5476	119.0	120.0	100	20										
				Slightly more altered in some places (e.g. 121.2-122.5) it	5477	120.0	121.0	100	10										
				also contains a few rare quartz-fluorite veinlets. Some fractures	5478	121.0	122.0	100	70										
				(also rare) have fluorite coatings.	5479	122.0	123.0	100	140										
					5480	123.0	124.0	100	20										
				END OF HOLE 141.0m	5481	124.0	125.0	100	20										
					5482	125.0	126.0	100	20										
					5483	126.0	127.0	100	20										
					5484	127.0	128.0	100	10										
					5485	128.0	129.0	100	20										
					5486	129.0	130.0	100	20										
					5487	130.0	131.0	100	20										
					5488	131.0	132.0	100	20										
					5489	132.0	133.0	100	20										
					5490	133.0	134.0	100	30										
					5491	134.0	135.0	100	20										
					5492	135.0	136.0	100	20										
					5493	136.0	137.0	100	20										
					5494	137.0	138.0	100	20										
					5495	138.0	139.0	100	20										
					5496	139.0	140.0	100	20										
					5497	140.0	141.0	100	10										

657241



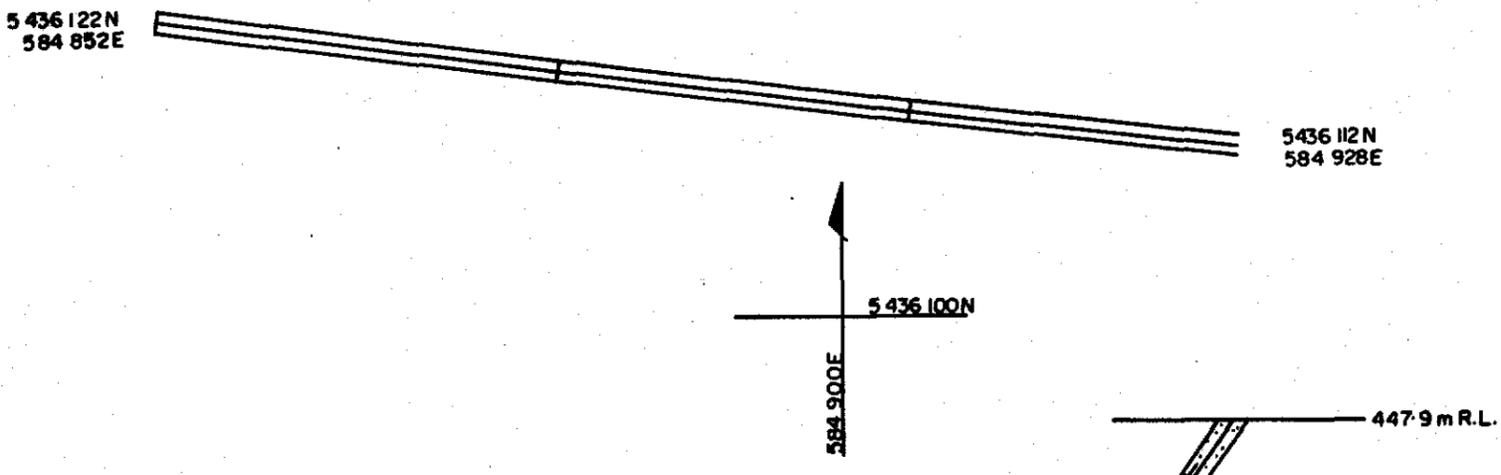
HOLE NO. BT 173

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

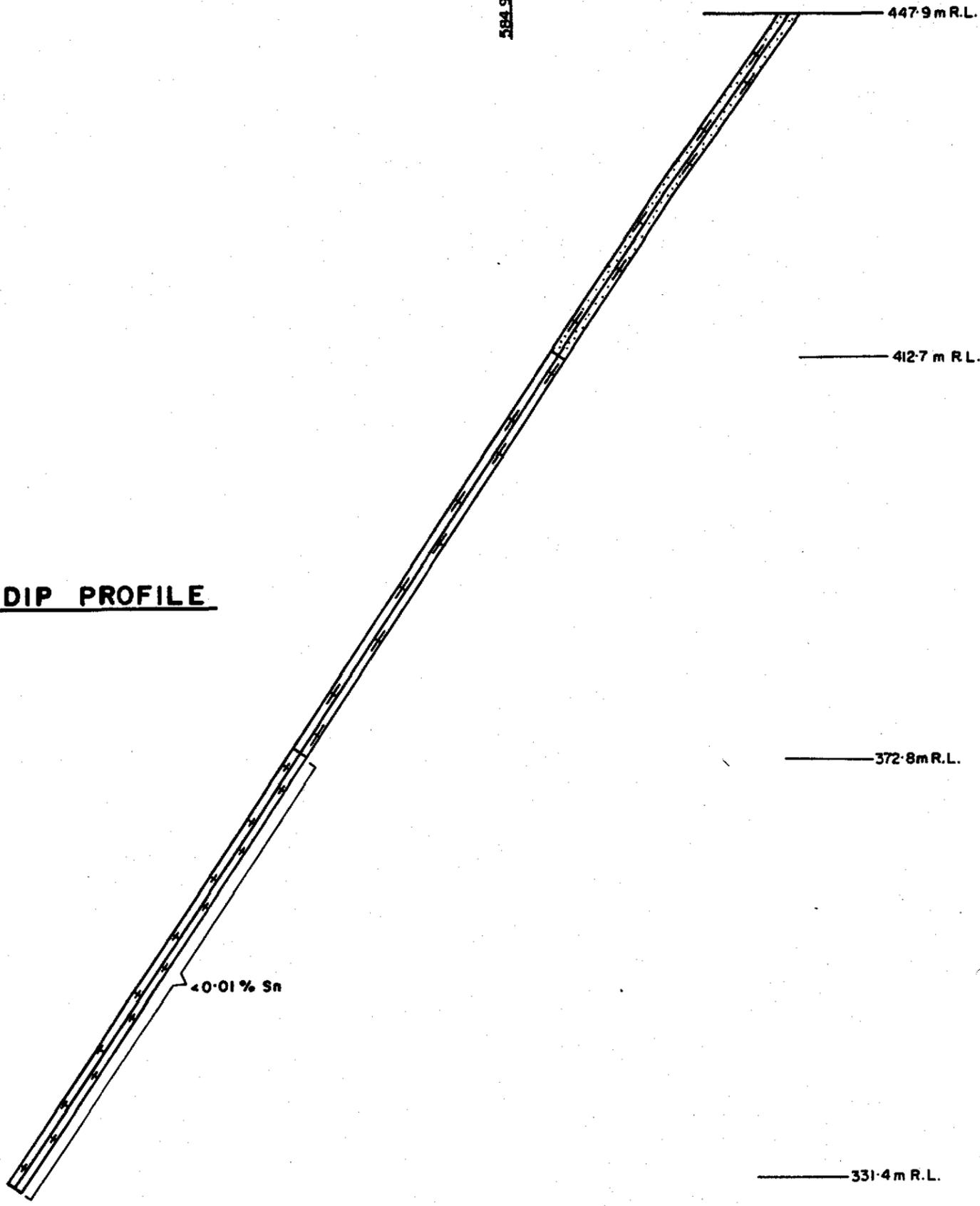
SCALE 1:



PLAN



DIP PROFILE



657243



GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: Blue Tier

HOLE NUMBER: B.T. 173

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA														
From	To	m	%		Sample No.	From	To	Rec. %											
				SUMMARISED LOG															
0.0	88.0	88.0		MEDIUM GRAINED, WEAKLY PORPHYRITIC POIMENA ADAMELLITE OVERALL UNALTERED WITH ZONES OF INCREASED ALTERATION AND FRACTURING.															
88.0				CONTACT															
88.0	139.5	51.5		MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE. MODERATELY GREISENED AT FIRST, THEN WEAKLY ALTERED.															
				DETAILED LOG															
				0.0-88.0 WEAKLY ALTERED MEDIUM GRAINED POIMENA ADAMELLITE.															
0.0	29.0			Tricone, no core recovered.															
29.0	41.2	12.2	100	Medium grained, weakly porphyritic granite with rare feldspars up to 1.5cm across. Pinkish grey, unaltered and weakly fractured, the top 1.4m is weakly weathered with limonite stained joints. Becomes slightly more altered with depth.															
41.2	44.7	3.5	100	Pale pink, moderately altered aplitic granite. Fine grained and non-porphyritic with hematitic-sericitised feldspars, quartz and a few unaltered biotites. Several quartz-sericite veinlets are surrounded by a 10-20cm thick zone of dark grey silicification (A11 at 30° CA).  Between 44.0 and 44.7, a mildly brecciated sequence of quartz and pale brown sericite, mainly as veins, with a patch of soft, sericitised granite (medium grained).															
44.7	65.5	20.3	98	Red-pink, medium grained, very weakly porphyritic granite. Highly altered in places with pervasive sericite producing a very soft-clay rock. The sericite in these patches (approx. 1.0m long) is pale green. Overall, moderately altered granite. 20-30cm thick zones of dark grey silicification surround															

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: Blue Tier

HOLE NUMBER: B.T. 173

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn									
				quartz-muscovite veins at approx. 30° CA. Altered zones are crumbly, otherwise fracturing is moderate.														
				At 45.8, 0.9m of green sericitised granite.														
53.7	57.2	3.0m	100	At 51.5, a 30cm thick pale pink aplite. Very fine grained.														
				At 57.2, a 70cm thick intrusion of dark green, fractured greisen- ed alkali granite. A 20cm, intrusion also occurs at 59.1.														
				Small pegmatitic/aplitic complexes are developed on the contacts and the larger intrusion containing abundant sericite and accessory fluorite.														
				The degree of alteration and redness decreases below this to grade into the unit below.														
65.5	87.5	22.0	100	Grey, medium grained, weakly porphyritic granite. Several thin (5cm) pegmatites and aplites occur, as do thin (10cm) crumbly, sericitised zones and thin (10-20cm) silicified (dark grey) zones surrounding quartz veinlets. In places, the granite becomes fine grained (Dg-fp) but this is an irregular relationship.	5498	88.0	89.0	100	10									
				Overall unaltered and incipiently fractured.	5499	89.0	90.0	100	10									
				At 82.0, the pink (hematitic) colouration returns.	5500	90.0	91.0	100	10									
					5524	91.0	92.0	100	20									
					5525	92.0	93.0	100	10									
					5526	93.0	94.0	100	20									
					5527	94.0	95.0	100	30									
					5528	95.0	96.0	100	40									
87.5	88.0	0.5	100	A coarse grained pegmatite, consisting of pale pink feldspar, colourless quartz and dark green sericitised micas, all very coarse grained.	5529	96.0	97.0	100	60									
					5530	97.0	98.0	100	30									
					5531	98.0	99.0	100	30									
					5532	99.0	100.0	100	20									
88.0				CONTACT	5533	100.0	101.0	100	20									
					5534	101.0	102.0	100	30									
				88.0-139.5 VARIABLY BUT WEAKLY ALTERED AND GREISENED ALKALI GRANITE.	5535	102.0	103.0	100	30									
					5536	103.0	104.0	100	30									
					5537	104.0	105.0	100	30									
88.0	88.8	0.8	100	Medium grained, equigranular, weakly altered alkali granite with a finer grained, more altered, banded (at 50° CA) sequence.	5538	105.0	106.0	100	20									
				Unfractured.	5539	106.0	107.0	100	20									
					5540	107.0	108.0	100	20									
					5541	108.0	109.0	100	20									
88.8	106.0	18.2	100	Variably but overall weakly altered alkali granite. Predominantly, pale green-cream in colour and only slightly altered, with	5542	109.0	110.0	100	20									
					5543	110.0	111.0	100	20									

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: Blue Tier

HOLE NUMBER: B.T. 173

Page: 3.

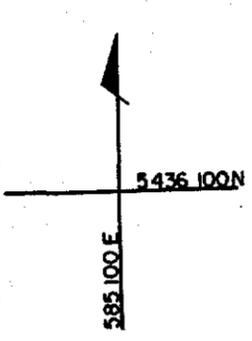
ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)															
From	To	m	%		Sample No.	From	To	Rec. %	Sn											
				patches up to 1.5m long of dark green greisenized granite. Unfractured.	5544	111.0	112.0	100	10											
					5545	112.0	113.0	100	20											
					5546	113.0	114.0	100	20											
106.0	139.5	33.0	99	Very weakly altered, pale cream alkali granite with green (dark) sericitised micas. Unfractured.	5547	114.0	115.0	100	10											
					5548	115.0	116.0	100	10											
(118.8-122.3, 3.0m recovered)				At 112.0, 10.3m of fractured granite. Sericite (pale green-white) occurs as fracture infillings. No increase in alteration occurs.	5549	116.0	117.0	100	10											
					5550	117.0	118.0	100	20											
				Below this fractured zone, the granite becomes slightly more green, with slightly more sericite replacing micas.	6001	118.0	119.0	100	20											
					6002	119.0	120.0	100	20											
				Between 133.0 and 139.5, the sericite filled fractures return, producing a more incompetent rock.	6003	120.0	121.0	100	20											
					6004	121.0	122.0	100	20											
					6005	122.0	123.0	100	20											
					6006	123.0	124.0	100	10											
				END OF HOLE 139.5m.	6007	124.0	125.0	100	20											
					6008	125.0	126.0	100	10											
					6009	126.0	127.0	100	20											
					6010	127.0	128.0	100	10											
					6011	128.0	129.0	100	20											
					6012	129.0	130.0	100	20											
					6013	130.0	131.0	100	20											
					6014	131.0	132.0	100	20											
					6015	132.0	133.0	100	20											
					6016	133.0	134.0	100	20											
					6017	134.0	135.0	100	20											
					6018	135.0	136.0	100	<10											
					6019	136.0	137.0	100	<10											
					6020	137.0	138.0	100	<10											
					6021	139.0	139.5	100	<10											

657246



**PLAN**



5 436 111N  
585 145 E

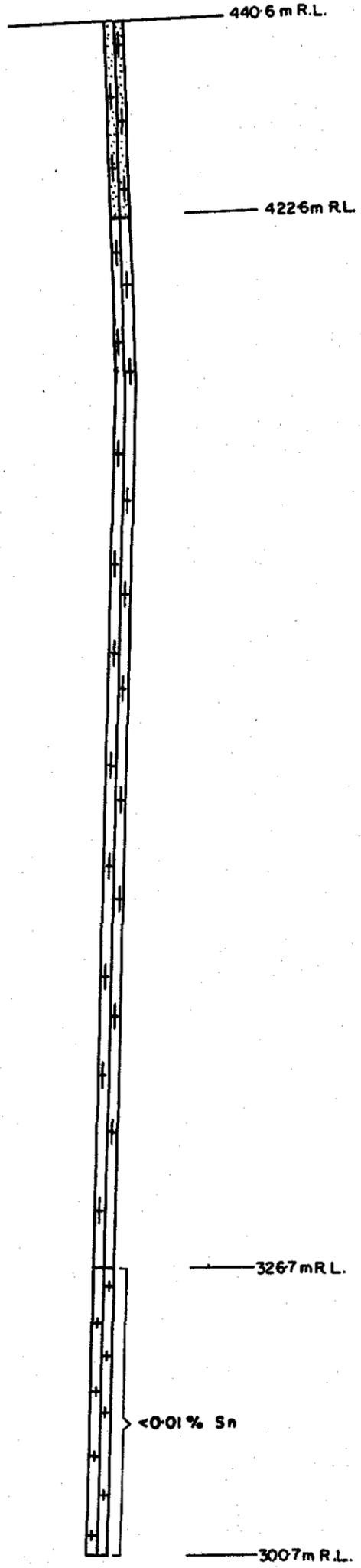


5 436 107N  
585 149 E

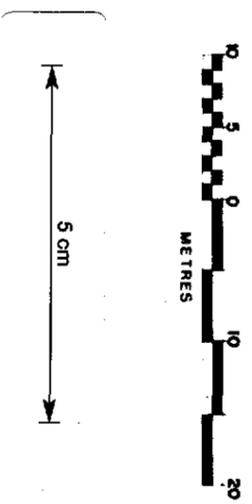
HOLE NO. **BT 174**

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

**DIP PROFILE**



SCALE 1



GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 174

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	114.0	114.0		MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE WITH NUMEROUS APLITES AND PEGMATITES. BECOMES HEMATITIC AND SERICITIC WITH DEPTH.														
114.0	140.0	26.0		WEAKLY ALTERED, MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE. BECOMES SERICITISED WITH DEPTH.														
				DETAILED LOG.														
				0.0-114.0 MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE WITH NUMEROUS APLITES AND PEGMATITES.														
0.0	18.0			Tricone, no core recovered.														
18.0	83.5	65.5	100	Grey, medium grained, porphyritic granite. Unaltered, unweathered and incipiently fractured-slightly blocky in places. White feldspar phenocrysts up to 2cm across rarely occur. More common are elongate phenocrysts 1.0cm long. Smaller feldspars have a pale green hue. Patches with pink hematitic feldspars also occur. This granite contains several thin (>10cm) fine grained aplites, rare quartz-sericite veinlets and their narrow alteration halos, together with fractured zones (weakly developed) and associated sericitisation. At 20.5, a 1.5m section of pale orange altered granite with green sericitised micas and orange feldspars. This is underlain by a 0.5m pegmatite of similar but very coarse grained phases. Between 57.4 and 58.7, between 62.0 and 64.0, highly fractured zones of crumbly, soft rock occur. Sericite is common. A strongly developed sericitised zone surrounds the lower crush zones, approximately 4.0m either side. Another altered zone (sericitised) exists between 70.0 and 74.0. Between 78.5 and 82.5, another altered zone surrounding a central crush zone occurs.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 174

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn									
83.5	114.0	30.5	100	Red-grey medium grained, weakly altered, porphyritic granite.	6022	114	115	100	10									
				Same as above, with all the feldspars hematitic. More fractured	6023	115	116	100	10									
				and sericite is more abundant. Medium-coarse grained pegmatites	6024	116	117	100	20									
				and stronger altered granite sections occur, as do patches of	6025	117	118	100	20									
				biotite accumulations. The red-pink decreases with depth to pro-	6026	118	119	100	20									
				duce a grey but altered granite.	6027	119	120	100	10									
				At 113.7, a 30cm thick complex zone of aplite and pegmatite.	6028	120	121	100	20									
				Dark green sericite, black biotite, colourless quartz and pale	6029	121	122	100	30									
				orange feldspars occur as both coarse and fine grained phases.	6030	122	123	100	30									
				Accessory purple fluorite also occurs.	6031	123	124	100	30									
					6032	124	125	100	20									
114.0				CONTACT.	6033	125	126	100	30									
					6034	126	127	100	20									
				114.0-140.0 WEAKLY ALTERED, MEDIUM GRAINED ALKALI GRANITE.	6035	127	128	100	20									
					6036	128	129	100	30									
114.0	118.7	4.7	100	Pale orange-grey, incipiently altered, medium grained equigranul-	6037	129	130	100	20									
				ar alkali granite. Most micas are unaltered, and the feldspars	6038	130	131	100	20									
				are pale orange. Unfractured with a few rare fractures having	6039	131	132	100	20									
				fluorite coatings.	6040	132	133	100	20									
					6041	133	134	100	70									
118.7	140.0	21.3	100	White-green, alkali granite. Medium-fine grained, equigranular.	6042	134	135	100	230									
				This granite is weakly altered, being quite strongly sericitised.	6043	135	136	100	50									
				White, clayey sericite occurs pervasively and as veins, producing	6044	136	137	100	30									
				a soft rock, moderately fractured with several crushed zones.	6045	137	138	100	20									
				Pale green sericite replaces micas. Pale brown sericite-white	6046	138	139	100	30									
				quartz veins are also common.	6047	139	140	100	20									
				END OF HOLE 140.0														

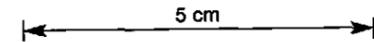
657250



HOLE NO. BT 175

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:



5435 976N  
585 139 E



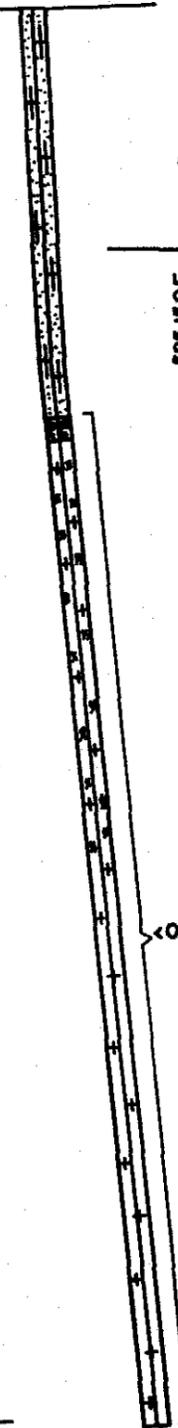
5435 974N  
585 142 E

PLAN

392.0m R.L.

361.3m R.L.

291.1m R.L.



5435 950N

585 150E

DIP PROFILE

<0.01 % Sn

657252

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

ULV. PRESS

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 175 Page: 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARISED LOG														
0.0	30.3	29.7		WEAKLY WEATHERED AND ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE. A THICK PEGMATITE UNDERLIES THIS GRANITE.														
30.3				CONTACT.														
30.3	101.0	70.7		PATCHILY BUT OVERALL MODERATE TO STRONGLY ALTERED ALKALI GRANITE, WHICH BECOME LESS ALTERED WITH DEPTH.														
				DETAILED LOG														
				0.0-30.3 WEAKLY WEATHERED AND ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE WITH A LARGE BASAL PEGMATITE.														
0.0	27.0	27.0		Tricone, no core recovered. Probably weathered adamellite.														
27.0	28.8	1.2	67	Brown, weathered medium grained, weakly porphyritic granite. (27.0-28.0, 0.4m recovered) Highly fractured and weakly altered. Crumbly zones of rock fragments occur.														
				After 28.0, the rock is unweathered with several thin (approx. 10cm thick) aplitic and alkali granite intrusions. The granite is moderately altered and unfractured and pale grey in colour.														
28.8	30.3	1.5	100	A 0.7m thick, very coarse grained (several cm) white pegmatite of feldspar occurs. Accessory phases are fine grained colourless quartz and green sericite bands. This is underlain by 0.4m of dark grey-green silicified granite with abundant green sericitised feldspars and micas. This is underlain by 15cm of quartz, which is underlain by 15cm of coarse-medium grained granite (pegmatitic)-weakly sericitised. A 10cm thick pale yellow aplite occurs beneath this.														
30.3				CONTACT.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE LOG AND ASSAY DATA

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 175

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	Ag	Cu	Mo						
				30.3-101.0 MODERATELY TO STRONGLY ALTERED ALKALI GRANITE.	6058	28.0	29.0	100	40	<1	5	30						
				ALTERATION RANK DECREASES WITH DEPTH.	6059	29.0	30.0	100	20	<1	5	<10						
					6060	30.0	31.0	100	30	<1	5	<10						
30.3	33.1	2.8	100	Moderately altered and greisenized alkali granite. Green-grey in colour and unfractured. All mica phases are replaced with green sericite.	6061	31.0	32.0	100	30	<1	5	90						
					6062	32.0	33.0	100	20	<1	5	10						
				At 32.2, a 10cm thick aplite-pegmatite complex occurs.	6063	33.0	34.0	100	20	<1	10	<10						
					6064	34.0	35.0	100	30	<1	15	<10						
					6065	35.0	36.0	100	20	<1	10	10						
33.1	38.2	5.1	100	Pale yellow, weakly altered, sericitised alkali granite.	6066	36.0	37.0	100	30	<1	5	<10						
				Medium grained and equigranular, with several yellow-sericite filled fractures. Micas are still all replaced.	6067	37.0	38.0	100	20	<1	15	<10						
					6068	38.0	39.0	100	40	<1	5	130						
					6069	39.0	40.0	100	40	<1	5	240						
38.2	39.5	1.3	100	From above, the granite gradually becomes darker green and overall strongly altered. Pale brown and dark green sericite are common, and disseminated molybdenite and fluorite occur. Both feldspars and micas are replaced.	6070	40.0	41.0	100	40	<1	5	120						
					6071	41.0	42.0	100	50	1	5	60						
					6072	42.0	43.0	100	50	<1	5	140						
					6073	43.0	44.0	100	50	<1	10	110						
39.5	45.3	5.8	100	Weakly altered, paler green-grey alkali granite. Only the micas have been sericitised. Unfractured.	6075	45.0	46.0	100	30	2	10	10						
					6076	46.0	47.0	100	40	3	10	10						
					6077	47.0	48.0	100	30	2	20	<10						
45.3	51.3	6.0	100	Variably altered alkali granite. Predominantly dark green and moderately strongly altered and silicified, with patches of weaker altered granite and patches of pale yellow-cream bleached granite. In places, strongly fractured, with a blocky fracture developed. The darker, more intense alteration zones surround poorly developed quartz veins.	6078	48.0	49.0	100	70	<1	5	10						
					6079	49.0	50.0	100	50	1	5	10						
					6080	50.0	51.0	100	50	1	5	20						
					6081	51.0	52.0	100	50	1	5	10						
					6082	52.0	53.0	100	30	<1	5	10						
					6083	53.0	54.0	100	30	<1	5	<10						
					6084	54.0	55.0	100	40	<1	5	10						
51.3	59.7	8.4	100	Moderately and uniformly altered, greisenized alkali granite. Green-grey and rarely fractured, some with sericite infillings. All micas and some feldspars are altered and replaced. This alteration state grades into the one below.	6085	55.0	56.0	100	30	<1	5	<10						
					6086	56.0	57.0	100	40	<1	5	20						
					6087	57.0	58.0	100	30	<1	<5	10						
					6088	58.0	59.0	100	50	<1	<5	10						
					6089	59.0	60.0	100	50	<1	5	10						
59.7	95.7	36.0	100	Weakly altered alkali granite. Pale green-cream in colour and rarely fractured. Some sericite infilled fractures occur. The micas have been partially replaced with dark green sericite. This	6090	60.0	61.0	100	30	<1	<5	30						
					6091	61.0	62.0	100	40	<1	5	<10						
					6092	62.0	63.0	100	40	<1	5	10						

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 175

Page: 3.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	Ag	Cu	Mo						
				alteration style is slightly more variable than above, with	6093	63.0	64.0	100	50	<1	<5	10						
				patches of darker, slightly more altered granite, and pale cream	6094	64.0	65.0	100	40	<1	<5	30						
				unaltered zones.	6095	65.0	66.0	100	40	<1	5	20						
				At 82.4, 86.1, 87.0, fractures with sericite-fluorite infillings	6096	66.0	67.0	100	40	<1	5	20						
				occur.	6097	67.0	68.0	100	40	<1	<5	10						
				Overall, the green colour and degree of alteration decrease with	6098	68.0	69.0	100	40	<1	<5	50						
				depth.	6099	69.0	70.0	100	40	<1	<5	<10						
					6100	70.0	71.0	100	40	<1	<5	10						
95.7	101.0	5.3	100	Unaltered, cream-grey alkali granite. Equigranular, medium grained	6101	71.0	72.0	100	30	<1	<5	10						
				and unfractured. A gradational contact with the above unit occurs.	6102	72.0	73.0	100	40	<1	5	10						
					6103	73.0	74.0	100	30	<1	<5	<10						
				END OF HOLE 101.0	6104	74.0	75.0	100	40	<1	<5	<10						
					6105	75.0	76.0	100	40	<1	<5	50						
					6106	76.0	77.0	100	40	<1	<5	<10						
					6107	77.0	78.0	100	30	<1	<5	110						
					6108	78.0	79.0	100	40	<1	<5	120						
					6109	79.0	80.0	100	30	<1	<5	20						
					6110	80.0	81.0	100	40	<1	<5	10						
					6111	81.0	82.0	100	40	<1	<5	90						
					6112	82.0	83.0	100	40	<1	<5	40						
					6113	83.0	84.0	100	30	<1	<5	20						
					6114	84.0	85.0	100	40	<1	<5	30						
					6115	85.0	86.0	100	30	<1	<5	30						
					6116	86.0	87.0	100	30	<1	<5	40						
					6117	87.0	88.0	100	30	<1	<5	20						
					6118	88.0	89.0	100	40	<1	<5	10						
					6119	89.0	90.0	100	40	<1	<5	10						
					6120	90.0	91.0	100	30	<1	<5	10						
					6121	91.0	92.0	100	30	<1	<5	<10						
					6122	92.0	93.0	100	40	<1	5	<10						
					6123	93.0	94.0	100	30	<1	<5	<10						
					6124	94.0	95.0	100	30	<1	<5	<10						

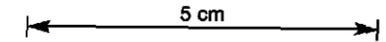
657255



HOLE NO. BT 176

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:

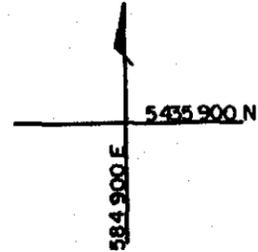


PLAN

⊕ 5435 924 N  
584 884 E

396.1 m R.L. —————

374.0 m R.L. —————



0.01 % Sn

DIP PROFILE

316.0 m R.L. —————

657257

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 176

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn									
				SUMMARISED LOG														
0.0	21.5	14.0		MODERATELY ALTERED, MEDIUM GRAINED, PORPHYRITIC POIMENA ADAMELLITE.														
21.5				CONTACT														
21.5	80.0	58.5		WEAKLY ALTERED TO UNALTERED ALKALI GRANITE. MEDIUM GRAINED AND EQUIGRANULAR.														
				DETAILED LOG														
				0.0-21.5 MODERATELY ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE.														
0.0	9.0	9.0		Tricone, no core recovered.														
9.0	19.5	3.0	30	Moderately weathered and altered, brown-grey-pink granite.														
	(9.0-20.0, 3.5m recovered)			Medium grained and weakly porphyritic with patches of hematitic feldspar developed. Limonite is common at the top of the unit. Moderately to highly fractured in places with some crushed zones.														
19.5	21.5	2.0	100	Pale pink-grey aplite. Very fine grained and weakly altered. Weakly fractured, with sericite (yellow) infillings. Slightly hematitic in places. Unusual, subhorizontal quartz lamellae approx. 2mm thick are developed throughout. At 21.2, a 30cm pegmatite-aplite occurs. It consists of quartz feldspar and unaltered biotite.	6201	21.5	22.5	100	20									
					6202	22.5	23.5	100	50									
					6203	23.5	24.5	100	40									
					6204	24.5	25.5	100	20									
21.5				CONTACT	6205	25.5	26.5	100	20									
					6206	26.5	27.5	100	20									
				21.5-80.0 WEAKLY ALTERED TO UNALTERED ALKALI GRANITE.	6207	27.5	28.5	100	20									
					6208	28.5	29.5	100	30									
21.5	80.0	58.5	100	Weakly altered alkali granite. Medium grained and equigranular. A few patches (up to 0.5m thick) of stronger, moderately altered granite occur. These are dark green, otherwise the rock is very	6209	29.5	30.5	100	30									
					6210	30.5	31.5	100	30									
					6211	31.5	32.5	100	20									

657258

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 176

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)														
From	To	m	%		Sample No.	From	To	Rec. %	Sn										
				pale green-cream in colour. Weakly fractured, with the occasional sericite filled fracture.	6212	32.5	33.5	100	30										
					6213	33.5	34.5	100	40										
				Below 53.0, the 'greeness' and degree of alteration decreased to give pale cream unaltered alkali granite. This is a uniform alteration state.	6214	34.5	35.5	100	40										
					6215	35.5	36.5	100	30										
					6216	36.5	37.5	100	40										
					6217	37.5	38.5	100	40										
					6218	38.5	39.5	100	40										
				END OF HOLE 80.0	6219	39.5	40.5	100	40										
					6220	40.5	41.5	100	40										
					6221	41.5	42.5	100	30										
					6222	42.5	43.5	100	20										
					6223	43.5	44.5	100	20										
					6224	44.5	45.5	100	10										
					6225	45.5	46.5	100	30										
					6226	46.5	47.5	100	20										
					6227	47.5	48.5	100	10										
					6228	48.5	49.5	100	20										
					6229	49.5	50.5	100	20										
					6230	50.5	51.5	100	10										
					6231	51.5	52.5	100	20										
					6232	52.5	53.5	100	10										

657259



HOLE NO. BT 177

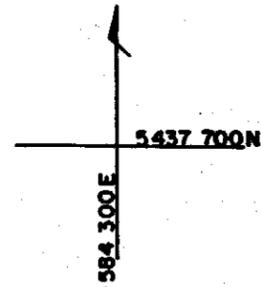
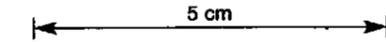
GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE :



PLAN

⊕ 5437 796 N  
584 398 E



687.7 m R.L.  
681.5 m R.L.

DIP PROFILE



487.7 m R.L.

657261

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 177

Page: 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA														
From	To	m	%		Sample No.	From	To	Rec. %											
				SUMMARISED LOG															
0.0	200.0	200.0		FRESH TO WEAKLY ALTERED POIMENA ADAMELLITE. PREDOMINANTLY MEDIUM GRAINED AND PORPHYRITIC.															
				DETAILED LOG															
				0.0-200.0 INCIPIENTLY ALTERED POIMENA ADAMELLITE.															
0.0	3.0			Tricone, no core recovered.															
3.0	6.2	1.2	38	Weakly weathered, pale brown-grey granite. Medium-coarse grained and porphyritic. Brown limonite is developed on fracture surfaces (3.0-6.0, 1.0m recovered) (weakly fractured). Yellow-brown sericitised feldspars occur. Overall, very weakly altered.															
6.2	21.6	15.4	100	Fresh, weakly altered, pink-green-grey granite. Pale pink feldspar phenocrysts up to 2cm occur with smaller olive green sericitised feldspar phenocrysts. Quartz also occurs as phenocrysts producing a medium-coarse grained moderately porphyritic rock. Black "book" biotites are unaltered. In places, the rock becomes so coarse grained as to become semi-pegmatitic. The rock is unfractured, apart from narrow (10-20 cm) zones of intense sericitisation and clay development which produce patches of incompetent, crumbly rock.  At 9.2, a 1.2m thick zone of aplite-pegmatite with a wide variety of grain sizes. Feldspars and quartz form graphic intergrowths with a few very large (1cm) biotite flakes.															
21.6	53.9	32.3	100	Medium-fine grained, weakly porphyritic granite. Similar to above, except finer grained and less porphyritic. Hematitic in places, it is also pinker than granite above. A few very large (3 cm across) feldspar phenocrysts occur. Fracturing															

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 177

Page: 2.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				and alteration are the same as for the granite above. Thin (5cm) aplites are common, veinlets with narrow (2-3 cm) alteration halos occur and patches of pale green intensely sericitised granite exist.														
				At 50.9, a 3.0m zone of leucogranite occurs. Medium grained non porphyritic intergrowths of pale pink feldspar, white feldspar and quartz. In patches, incipient sericitisation and a vugginess are developed. No dark minerals are present.														
53.9	107.5	53.6	100	Dark grey medium grained, moderately porphyritic granite. Unaltered and unfractured, the granite has a high biotite content, causing the darker colour. The pink tinge common in feldspar phenocrysts is absent, apart from a weakly sericitised zone between 69.4 and 75.4m.														
				At 92.5, a strongly fractured and sericitised zone of pink granite surrounding a quartz vein, occurs over 1.6m. The pink hue remains in feldspar phenocrysts approximately 6.0m beneath this zone.														
107.5	135.5	28.0	100	Pale pink-grey weakly altered granite. Medium grained and moderately porphyritic, with widespread sericitisation developed. Unfractured apart from fracture zones rich in pale green sericite. Biotite is abundant in this phase. Small pegmatite-aplite seams and quartz veinlets occur.														
				Between 110.7 and 113.5 a moderately altered zone rich in pale green sericite (pervasive) exists.														
				Below 125.0, the granite becomes unaltered. Also the pink colour decreases gradually with depth.														
135.5	200.0	64.5	100	Grey granite, medium grained, porphyritic and unaltered, except for the crush zones (10-20cm wide) which are sericitic. In places the granite is coarser grained; semi-pegmatitic.														
				At 142.5, a large 1.2m crush zone of sericitic clays and sericitised rock fragments occurs.														
				At 160.0, a 20cm zone of fine grained black biotite and														

657263

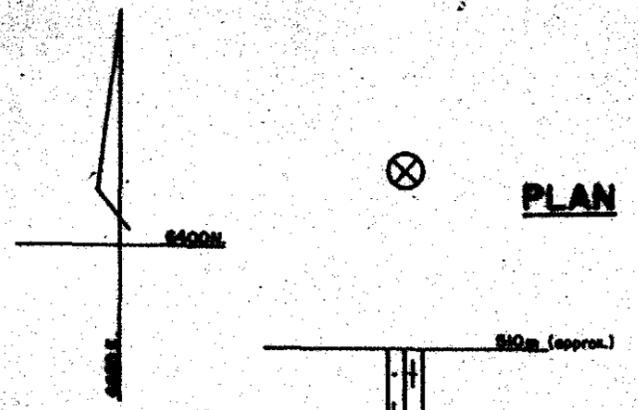
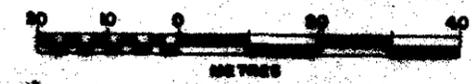




HOLE NO. BT 178

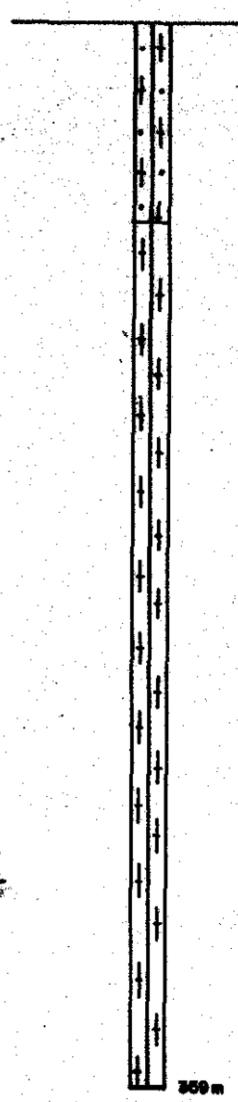
GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:1000



PLAN

DIP PROFILE



657266

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 178 Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
0.0	28.0			SUMMARIZED LOG														
0.0	28.0			MODERATELY WEATHERED POIMENA ADAMELLITE.														
28.0	134.7			WEAKLY ALTERED AND GREISENIZED POIMENA ADAMELLITE.														
134.7	151.0			WEAKLY TO MODERATELY ALBITIZED POIMENA ADAMELLITE.														
				DETAILED LOG														
				0.0-28.0 MODERATELY WEATHERED POIMENA ADAMELLITE.														
0.0	4.0	0.0	0	Tricone-no cone recovered.														
4.0	28.0	20.0	71	Moderately weathered, medium grained, porphyritic adamellite with feldspars up to 2.5-3.0cm long. Several thin intersections (5-10cm) are finer grained and apparently richer in biotite; these are probably xenoliths. These xenoliths are located at 7.16m, 17.69 and 26.20m depths.														
				28.0-134.7 WEAKLY ALTERED AND GREISENIZED ADAMELLITE.														
28.0	67.43	39.43	100	Grey medium grained porphyritic adamellite. Essentially unaltered but there is weak sericitic alteration around joints. Iron staining is also found around joints to 34.0m. Veins often have a weakly greisenized halo of approximately 2-3 cm width. Larger biotite rich xenoliths occur at 58.95 and 64.7m. Thin pegmatite veins up to 2 cm wide are also found in this interval at 60.91 and 65.2m. 66.45-66,80 The intensity of sericitic alteration increases giving rock a green and flakey appearance.														
67.43	73.05	5.62	100	Moderately altered and weakly greisenized, green, porphyritic granite. This increase in alteration appears to be due to the proximity of an almost vertical vein about 3mm wide.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 178

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				The vein surface is coated with sericite.														
73.05	84.30	11.25	100	Essentially unaltered, medium grained, grey, porphyritic granite. Feldspars are up to 4cm long. Minor green sericite alteration is found as a halo around joints and veins. Several xenoliths are found in the core at 79.30 (This has a 1 cm wide reaction rim) and 82.98m, and are about 8cm long.														
84.30	95.90	11.60	100	This intersection is affected by a nearly vertical vein that cuts the core. Sericitic alteration is increased markedly and several small weakly greisenized zones developed around the vein.														
95.90	131.90	36.0	100	Weakly altered to unaltered grey, porphyritic granite, with feldspars up to 3-4 cm long. Quartz are grey and there is a black biotite also present. The only alteration is minor sericite halos around joints and veins.														
131.90	134.70	2.80	100	Weakly greisenized green-grey, porphyritic granite that also is weakly altered.														
				134.7-151.0 WEAKLY TO MODERATELY ALBITIZED POIMENA ADAMELLITE.														
134.70	149.52			Grey to orangey-red porphyritic granite. This intersection shows an increase in albitic alteration from top to bottom. Firstly the feldspars are becoming a pinky-orange colour and gradually the rock becomes a pinky orange colour.														
149.52	151.0			Quite strongly albitized porphyritic granite. Very orange-red in colour with grey to clear quartz.														
				END OF HOLE 151.0m.														

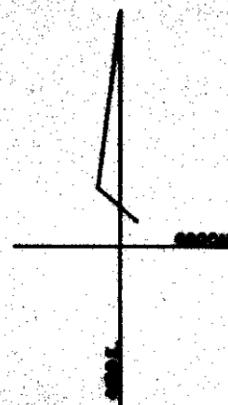
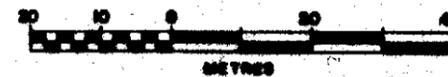
657268



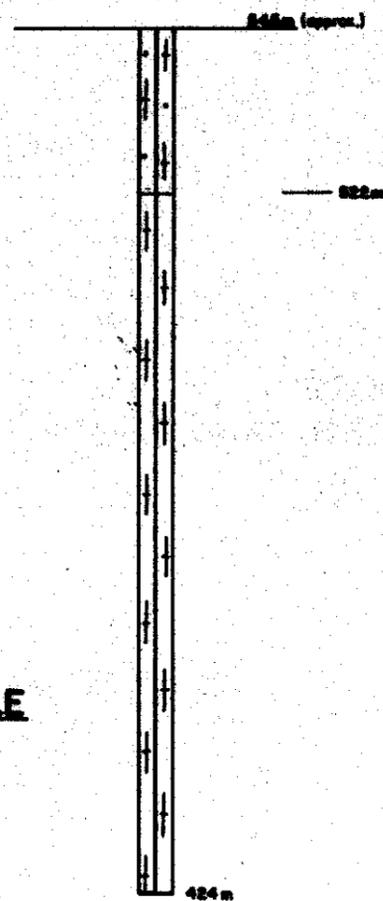
HOLE NO. BT 179

GOLD FIELDS EXPLORATION PTY. LIMITED  
DIAMOND DRILL HOLE PLOT

SCALE 1:1000



PLAN



DIP PROFILE

657270

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 179

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARIZED LOG														
0	23.2			SOIL, SAND, CLAY AND WEATHERED POIMENA ADAMELLITE														
23.2	60.55			POIMENA ADAMELLITE, MODERATE TO STRONG ARGILLIC ALTERATION AND WEAK ALBITIC ALTERATION.														
60.55	121.0			POIMENA ADAMELLITE THAT IS ESSENTIALLY FRESH WITH MINOR SERICITIC ALTERATION AROUND VEINS AND JOINTS.														
				DETAILED LOG														
				0-23.2 SOIL, SAND, CLAY AND WEATHERED ADAMELLITE.														
0.0				Tricone, no core recovery.														
4.0	7.0	0.4	13.3	Highly weathered and iron stained brown granite. Coarse grained and porphyritic.														
7.0	23.0	0.0	0	No core recovery but cuttings indicate a red, brown sand, clay mixture.														
23.0	23.2	0.2	100	Weathered weakly albitized porphyritic granite. Feldspars are an orangey-red colour.														
				23.2-60.55 ARGILLIZED AND WEAKLY ALBITIZED ADAMELLITE WITH PEGMATITE.														
23.2	32.7	9.5	100	Pink-grey medium grained porphyritic granite. Albitic alteration is weak giving orangey-pink feldspars. There is a pervasive weak argillic alteration and some minor sericitization around joint planes. Argillic alteration gets stronger towards the bottom of this interval.														
				29.85m Zone of highly altered fine-medium grained equigranular														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 179

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				granite about 12-15cm wide. This zone is very rich in a brown or black biotite.														
32.7	33.65	0.95	100	Grey-white granite similar to above, but feldspars have almost entirely altered to a white clay. Most of the micas have also gone. The last 35cm is slightly less altered and contains some orange to pink feldspars.														
33.65	35.85	2.20	100	Much finer grained porphyritic pink-white granite. Feldspars give the pink colouration. Quartz is mainly white or clear. Rock also contains some brown or black biotite.														
35.85	36.75	0.80	100	Highly altered, fine grained, white granite rock. Few minerals are recognisable due to degree of argillization but this is probably an aplite. The rock contains no biotite at all.														
36.75	47.95	11.20	100	Fine to medium grained, weakly porphyritic pinkish to white granite depending on degree of argillization. Pink is due to weak albitization in feldspars but this is white after alteration. Thin aplites? (approx. 15cm wide occur at 44.9m and 45.85m.)														
47.95	48.70	0.75	100	Aplite. Similar to that at 35.95m.														
48.80	60.55	11.85	100	Medium grained porphyritic granite. Pinkish-white to pinkish-green depending on degree of argillization of sericitization producing the green micaceous material. Zone of very strong argillization (really just a clay and sand pug) occurs between 52 and 55m. and 58.0-58.85m.														
				60.55-121.0 FRESH ADAMELLITE WITH MINOR SERICITIC ALTERATION AROUND JOINTS AND VEINS.														
60.55	62.25			This interval is fresh but albitized pinkish to grey porphyritic granite. The albitization decreases from top to bottom of interval. Feldspars are up to 4cm long. Minor sericitic alteration is also														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 180

Page: 1.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %										
				SUMMARIZED LOG.														
0.0	16.3			WEATHERED AND WEAKLY ALTERED POIMENA ADAMELLITE.														
16.3	99.0			WEAKLY ALTERED POIMENA ADAMELLITE, OCCASSIONAL WEAKL GREISENS, APLITES AND PEGMATITES.														
99.0	99.6			CONTACT - TRANSITION ZONE BETWEEN ADAMELLITE AND ALKALI GRANITE.														
99.6	121.56			WEAKLY GREISENIZED ALKALI GRANITE.														
121.56	139.7			UNALTERED TO WEAKLY ALTERED ALKALI GRANITE.														
				DETAILED LOG														
				0.0-16.3 WEATHERED AND WEAKLY ALTERED ADAMELLITE.														
0.0	14.2	12.53	88	Weathered and weakly altered, brown, porphyritic granite, with feldspar crystals 4-5cm long. Iron staining is very strong around joints and veins.														
14.2	16.3	1.85	88	Weakly greisenized and sericitized porphyritic granite that is quite iron stained due to the large number of veins in the section. The veins are probably the cause of the alteration and weak greisenization.														
				16.3-99.0 WEAKLY ALTERED POIMENA ADAMELLITE, OCCASSIONAL WEAKL GREISEN, APLITE, PEGMATITE.														
16.3	20.2	3.8	97	Weakly greisenized grey, medium grained porphyritic granite.														
20.2	24.9	4.63	99	Greisen, associated with an almost vertical vein in the top 1.5m, but the last 2m is solid greisen but may still be associated with a wide vertical vein.														

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 180

Page: 2.

ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	WO <sub>3</sub>								
24.9	31.98	6.43	91	Weakly altered and greisenized grey-green, medium grained porphyritic granite. Feldspars up to 3cm long, quartzes grey to clear and biotite makes up the remaining mineralogy. Edges of crystals are becoming less distinct due to greisenizing effect and sericitic alteration of feldspars produce the green colour.	3718	20.0	100.0		50	30								
					3719	20.0	104.0		50	30								
					3720	24.0	126.0		30	40								
					3721	26.0	128.0		30	20								
					3722	28.0	130.0		30	30								
					3723	30.0	132.0		70	20								
31.98	33.56	1.58	100	Very fine grained white granite with aggregate of biotite up to 1cm across. The rock is composed entirely of pinkish-white feldspars and quartz. Probably an aplite, and has veins of pegmatite cutting it at 31.98, 32.58, 33.17, 33.53m for 2-3cm.		105.0												
33.56	99.0	66.44	100	Grey, porphyritic, medium grained granite. Occasional white feldspar up to 5cm long but more commonly 1-3 cm. Quartz is grey in phenocrysts but clear in ground mass. Small aplite vein or dyke about 20cm wide cuts core at 46.12. Due to the presence of a nearly vertical vein or joint system the granite between 73.32 and 98.2 has been weakly altered and a thin coating of sericite coats the vein surface. The majority of feldspars in the groundmass are now tinged green due to the sericitic alteration. A 4cm wide pegmatite vein cuts core at 97.95m.  99.0-99.6 CONTACT ZONE	3724	99.0	100.0		60	70								
					3725	100.0	101.0		60	30								
99.0	99.6	0.6	100		Pegmatitic contact zone between the granite described above and the alkali granite. The first 25cm is comprised entirely of coarsely crystalline pink feldspar and grey quartz. The remainder of the contact is comprised of patches of pegmatite and intervals of Poimena and alkali granite. A quartz filled vein network runs through the zone and limonite is developed around them.	3726	101.0	102.0		50	50							
					3727	102.0	103.0		50	60								
					3738	103.0	104.0		50	90								
					3729	104.0	105.0		50	60								
					3730	105.0	106.0		50	70								
					3731	106.0	107.0		50	40								
					3732	107.0	108.0		180	70								
					3733	108.0	109.0		50	120								
				99.6-121.56 WEAKLY GREISENIZED ALKALI GRANITE.	3734	109.0	110.0		50	80								
99.6	104.48	4.88	100	Pinkish-white slightly greisenized alkali granite. Pinkish coloration due to the presence of some pink as well as the more common white. Quartz is white to clear and a green or brown biotite is	3735	110.0	111.0		50	50								
					3736	111.0	112.0		50	50								
					3737	112.0	113.0		40	30								

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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE LOG AND ASSAY DATA**

PROJECT: BLUE TIER

HOLE NUMBER: B.T. 180

Page: 3.

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	WO <sub>3</sub>								
				quite common. The rock is fine grained and equigranular.	3738	113.0	114.0		40	120								
					3739	114.0	115.0		30	40								
104.48	111.8	6.32	100	Weakly greisenized grey-white fine grained equigranular granite.	3740	115.0	116.0		30	60								
				Quartz is now more grey in colour and there is slightly more biotite.	3741	116.0	117.0		30	40								
				110.42-110.57. Very fine grained highly siliceous rock with	3742	117.0	118.0		80	50								
				small aggregates of biotite. Very little feldspars in the	3743	118.0	119.0		50	60								
				composition.	3744	119.0	120.0		50	80								
					3745	120.0	122.0		60	60								
					3746	122.0	124.0		80	60								
111.8	118.0	6.2	100	Weakly to moderately greisenized light greenish-grey equigranular	3747	124.0	126.0		60	70								
				granite. The strength of greisenization appears to increase around	3748	126.0	128.0		50	60								
				veins that cut this intersection. These veins are quartz filled	3749	128.0	130.0		60	50								
				and in some cases have a thin halo of limonitic clays. The infill-														
				ing quartz is grey-brown.														
118.0	121.56	3.56	100	Weakly to moderately greisenized green alkali granite. The green														
				colour is due to the sericitisation of feldspars in the ground-														
				mass.														
				121.56-139.70 UNALTERED TO WEAKLY ALTERED ALKALI GRANITE.														
121.56	139.70			Very weakly greisenized to unaltered grey-white fine grained														
				equigranular granite composed of white feldspars, grey/clear quartz														
				and green to black biotite. Pegmatite veins are located														
				at 130.13 for 2cm, 131.05 for 30cm, 137.90 for 18cm and 138.20														
				for 12 cm.														
				END OF HOLE 139.7m.														

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