

RENISON LIMITED

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S.L. 9/76 - BLUE TIER AREA

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by A. Ross,
Geologist

with contributions by

L.A. Newham, Chief Geologist

R.O. Devlin, Project Metallurgist

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SUMMARY

Exploration during the year was confined to the abandoned Anchor Mine and the Southern Cross / Haley's Workings.

At the Anchor prospect the major activity involved diamond drilling of twenty seven holes and associated surveying, mapping, assaying, metallurgical and geophysical programmes. Metallurgical, geophysical and geochemical studies of the mineralisation are continuing.

A marginal greisen style tin deposit has been delineated and is estimated at 2.5 million tonnes of 0.27% Sn grade. The economics of mining and milling Anchor style mineralisation have been considered and it is suggested that a deposit of 5 to 6 million tonnes of similar grade and metallurgical characteristics is financially attractive.

Two diamond drill holes were completed at the Southern Cross / Haley's Workings with disappointing results.

Expenditure of \$207,224 was incurred to 29th August, 1978, at the completion of the drilling programme.

Work for the remainder of 1978 - 79 is aimed at geophysical, geochemical and metallurgical characterisation of the Anchor mineralisation. Regional geological mapping programmes are proposed prior to selecting targets for percussive drilling in the remainder of the licence area. Expenditure of \$69,291 is estimated for these programmes.

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1.1 Introduction

E.L. 9/76, of 76 square kilometres, is situated 25 kilometres north-west of St Helens, N.E. Tasmania and encloses the Blue Tier Tinfield, which has a history of intermittent alluvial and lode tin mining, mainly from the 1870's to the 1920's (Map B.T. 18). Total production from the outcropping lode deposits is estimated at over two million tons at an average grade of 0.2% Sn, with 80% of total production coming from the Anchor Mine (Bibliography No. 7).

Renison Limited commenced exploration of the area late in 1977 with the aim of defining large tonnage greisen-style tin deposits. The current programme has involved two aspects:

- (a) detailed evaluation of abandoned workings,
- (b) development of techniques for delineating concealed deposits.

At this stage, work has involved evaluation of the Anchor Mine south-west of Lottah and, to a lesser extent, the Southern Cross / Haley's Workings, north-west of Poimena (Map B.T. 19).

The aim of work at the Anchor Mine is:

- (a) to delineate tin mineralisation and estimate grade and tonnage parameters, via diamond drilling;
- (b) investigate metallurgical characteristics of the mineralisation;
- (c) examine the economics of mining the deposit;
- (d) investigate geological, geochemical and geophysical aspects of the deposit to provide a basis for exploration elsewhere in the Licence area.

1.2 Licence Tenure

Renison Limited is the Operator under a Joint Venture Agreement with Hellyer Mining and Exploration Pty Limited, the holders of E.L. 9/76. The Agreement was effective from 7th December, 1977.

Renison Limited may earn a 60% interest by spending \$500,000. Expenditure of \$440,000 prior to 15th September, 1981, is required and subject to the provisions of the Agreement.

Several Mineral Leases occur within the Licence boundary at the following locations (Map B.T. 19)

- (a) Cambria Workings - a total of 50 acres held by Ringarooma Mining Pty Ltd.
- (b) F.B. Workings - a total of 100 hectares held by R.G. Hyde and 32 hectares held by W.J. Hyde.
- (c) Blue Tier Plateau, 1200 metres north-west of Australia Hill. A total of 4 hectares is held by H.T. Moses for alluvial mining purposes.

1.3 Expenditure

A total of \$207,224 was spent to 29th August, 1978. A breakdown of costs is shown in Appendix 1.

1.4 Geological Setting - Blue Tier Area

The regional geology is shown on Map B.T. 19 and is compiled from published maps of the area.

The central northern part of the Licence area is dominated by the Blue Tier plateau at 700m to 720m above sea level, with several prominent hills rising to over 800m. Steep slopes occur in the east, south and west - dissected by tributaries of the Ringarooma, Great Musselroe, Anson's and George River systems. Apart from a 9 square kilometre area centred on the abandoned townsite of Poimena, thick forest cover is developed.

The main rock types in the region are granitic varieties of the complex Upper Devonian Blue Tier Batholith, which intrudes folded Mathinna Bed sediments. In the Licence area this cover has been eroded.

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Two major granite types are recognised and represent the final intrusive phases of the Batholith:

- (a) An older porphyritic to coarse grained biotite adamellite known as the Poimena Pluton. This is intruded by:
- (b) A younger muscovite - biotite granite which occurs as several partially eroded flat lying sills and minor connecting dykes (The Lottah Sheets).

Permian sediments and Tertiary Basalt unconformably mantle the granites in the elevated region around Mt Littlechild.

A relationship between tin mineralisation and the roof zones of the younger granite intrusive has been recognised by previous workers. The known outcropping primary tin occurrences are of three main types:

- (a) Floor deposits occurring below the roof contact in hydrothermally altered younger granite.
- (b) Vein deposits - either quartz or quartz-greisen veins which may also occur in the older granite above the roof contacts.
- (c) Dyke deposits with erratic tin mineralisation.

Cassiterite, rare sulphide and wolframite mineralisation are reported in the above deposits. From an exploration viewpoint, the "floor" mineralisation style offers the most potential for the development of large tonnage deposits.

2. ANCHOR MINE EVALUATION

2.1 Introduction

The Anchor Mine (A.M.G. reference 5435200N, 584900E) refers to a series of abandoned open pit workings, occupying an area of approximately 50,000 square metres adjacent to the Groom River and south-west of the old townsite of Lottah. The prospect lies adjacent to a secondary gravel road and 4 kilometres from the Tasman Highway, which links Launceston and St Helens, the nearest population centre.

Primary tin mineralisation was discovered in 1881 during alluvial mining operations. Recorded production (1890 - 1942) is 2322 tons of metallic tin achieved from intermittent operations, the largest being the Anchor Company, which produced 2547 tons of tin concentrate from 1.3 million tons mined. The main impediments to continued mining activity were a combination of (a) erratic distribution of cassiterite, (b) low bulk grades and low tin prices, (c) increasing overburden thickness to the north-east.

The major workings are shown on Map B.T. 20 and consist of three to four benches irregularly developed over an average width of 120m in a north-east to south-west direction for 380m. The workings are located at the confluence of several creeks and the topography rises steeply to the north-east, north and north-west.

2.2 Previous Exploration

Since the cessation of mining, the only significant exploration has been undertaken by Aberfoyle Limited from 1964 to 1966 (Bibliography items 23 - 29).

Following vertical chip sampling of the eastern face, thirty nine vertical diamond drill holes (B.T. 1 - 39) were completed to the east, north and north-east. In 1968 the Mines Department drilled one hole (B.T. 1A). The location of these holes is shown on Map B.T. 20, together with holes from the present work.

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The broad result of Aberfoyle's programmes was the definition of cassiterite - trace sulphide mineralisation totalling 1.96 million tons of 0.32% Sn. Mineralisation was interpreted as occurring in four major, essentially flat lying zones and associated with greisen, greisenised granite developed in the roof zone of the younger granite intrusion and overlain by the older granite cap.

The major control of cassiterite deposition was attributed to complex roof structures and intertonguing granite features.

2.3 Work Carried Out

The following work has been carried out:

- (1) diamond drilling of twenty seven holes (B.T. 42 - 68) in two programmes, for a total of 3332m;
- (2) associated assaying and petrological work;
- (3) metallurgical testwork on drill core;
- (4) surveying of Anchor mine area, metrification of old data and transformation to A.M.G.;
- (5) further assaying of Aberfoyle Limited drill core.

2.4 Sequence of Exploration and Results

The overall result is the delineation of mineralisation north-east of the workings as shown in red on Map B.T. 21. Full diamond drill hole logs are contained in Appendix 7.

- (1) Prior to the first drilling programme.

Re-assessment of this Aberfoyle data in terms of a bulk mining proposition indicated the possibility of 2 - 3 million tonnes of 0.25% Sn occurring north-east of the open cut (Bibliography No. 38). Maximum development of the greisen zone along a north-east trending axis with possible extensions at depth to the north-east and west was suggested. A broad pattern of deeper holes in and around the workings was planned.

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- (2) In the first drilling programme, from October to December 1977, holes B.T. 42 - 50 were completed and results are summarised below.
- (a) North-east of the old workings
- (i) B.T. 42 intersected 63m of 0.51% Sn. This suggested cassiterite mineralisation extended to depths greater than the Aberfoyle drilling. Anomalous Cu, Zn, Ag values are associated with the mineralisation - soluble Sn, As, Mo, Pb, Bi, WO_3 , Au contents are low. Distinct hangingwall and footwall lithologies are present.
- (ii) B.T. 43, testing the extensions of a thick mineralised zone north of hole B.T. 35, intersected 46m of greisenised granite below a "Coarse Grained Granite" cap. This zone contains low Sn values and Cu, Zn, As, Mo, Pb, Bi, Ag, WO_3 contents are negligible.
- (iii) B.T. 44 intersected a variably mineralised zone with distinct hangingwall and footwall contacts. This zone bulked 27.3m 0.25% Sn and is associated with anomalous Cu, Zn, Ag values. Soluble Sn, As, Mo, Pb, Bi, WO_3 values are low.
- (iv) B.T. 48, in following up the B.T. 42 mineralisation to the north, encountered a thick (144m) altered zone but without significant tin values. Anomalous Cu, Zn, Ag values occur - As, Mo, Pb, Bi, WO_3 contents are low.
- (v) B.T. 50, following up the B.T. 42 mineralisation to the north-east, did not encounter significant alteration. Sn, Cu, Zn, Ag, Mo, Bi, Pb, As, WO_3 values are low.

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- (b) In and around the workings
 - (i) Holes B.T. 45, 46, 47 drilled south, north and west of the workings, did not encounter significant mineralisation or alteration.
 - (ii) Hole B.T. 49 intersected a variably mineralised zone in the floor of the workings. This zone bulked 31.7m 0.25% Sn without anomalous Cu, Zn, Ag, Mo, Pb, Bi, WO₃ values.

The results of this programme were sufficiently encouraging to justify further work, including diamond drilling, e.g.

- (a) The recognition of anomalous Cu, Zn, Ag values.
 - (b) Possibility of depth extensions of the mineralisation to the north-east of the workings.
 - (c) Potential for mineralisation within the old workings.
 - (d) Furthermore, the erratic tin distribution required a closer pattern of holes to obtain a better grade estimate. Detailed logging also suggested the presence of steeply dipping cassiterite-enriched greisen veins which could bias the grade estimate.
- (3) The recognition of anomalous Cu, Zn, Ag values prompted the re-assaying of Aberfoyle drill core samples. X.R.F. tin assays were carried out to provide uniformity of assay technique with the current programme. Mo, Bi assays were determined on several holes.
 - (4) In the second drilling programme, from April to July 1978, holes B.T. 51 to 68 were completed.
 - (a) Two sub-horizontal holes were drilled from the eastern face to test the mode of cassiterite distribution and the extent of mineralisation. Sections of these holes are shown on Map B.T. 28.

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- (i) B.T. 51 intersected 68m 0.35% Sn and encountered a "tongue" of "Coarse Grained Granite" beyond which no significant mineralisation or alteration was encountered. Steeply dipping greisen veins (less than 1m) are present but represent less than 1% of the volume intersected (similarly with B.T. 52).
 - (ii) B.T. 52 intersected 75.5m 0.31% Sn from the eastern face. The footwall position of the mineralisation is based upon assay cut-off, as greisen is developed further in the hole. A complex localised zone of pegmatite and greisen lithologies correlates with the footwall lithology of hole B.T. 42 mineralisation.

The bulked grades of B.T. 51 and 52 compare favourably with grades from nearby vertical holes.

- (b) In the old workings
 - (i) Holes B.T. 53, 54, 56, 57, 58 failed to intersect significant tin mineralisation.
 - (ii) Holes B.T. 55 and 59 encountered erratic tin values in the floor of the open cut.
- (c) North-east of the workings
 - (i) Holes B.T. 60, 61, 67 did not encounter significant tin mineralisation.
 - (ii) B.T. 62 intersected a thick altered zone with patchy tin values.
 - (iii) B.T. 63 intersected 10m 0.33% Sn in a complex pegmatitic rich zone.
 - (iv) B.T. 64, 65, 66, 68 intersected tin mineralisation and patchy anomalous Cu, Ag, Zn values.

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2.5 Geology

2.5.1 Rock Types

The nomenclature of Taylor (Bibliography No. 29) has been adapted in the present investigation to maintain uniformity with the earlier Aberfoyle drilling. Petrological descriptions are contained in Appendix 3 and entered in the appropriate drill logs.

Two main granite types are recognised:

- (1) An older "Coarse Grained Granite" (porphyritic biotite adamellite).
- (2) "Fine Grained Granite" (biotite - muscovite granite and related greisens, pegmatite, aplite).

(1) Coarse Grained Granite Abbreviation C.G.G. Symbol + +

- (a) Weathered to sand and rubble for up to 25m from the surface. Symbol on drill logs ∴
- (b) When fresh it is bluish-white in colour and composed essentially of quartz, feldspars and biotite. Usually coarse grained, equigranular to porphyritic texture.
- (c) Typical thin section description -- quartz 30%, oligoclase 30%, orthoclase 30%, biotite 10%, with accessory muscovite and apatite. Alteration is weak -- partial sericitisation of plagioclase and chloritisation of biotite.
- (d) Several varieties occur
 - Pink. Feldspars become "pinked" near the surface and near the contact with greisenised granite, fine grained granite and pegmatite.
 - Orange-red. Iron stained near the surface.
 - Kaolinised and weathered near the surface.
- (e) The granite is barren.

(2) Fine Grained Granite + biotite, muscovite Abbreviation F.G.G. Symbol + + +

- (a) Colour is pink-white, speckled black.

- (b) Usually equigranular with grain sizes around 2mm. Variations in grain size do occur - with depth, the granite becomes coarse grained. Finer grained phases have been recorded in the recent drilling programme.
- (c) Composition is essentially quartz, feldspars, biotite, and muscovite. In thin section the rock is characterised by albite, pale biotite, muscovite and accessory apatite, topaz.
- (d) With progressive alteration of this granite, (3) "Fine Grained Granite/Greisen" and (4) "Greisen" are developed.


(3) Fine Grained Granite/Greisen Abbreviation F.G.G./Gr.
Symbol + + +

- (a) Varying in colour - white, grey, pink-white, yellow green.
- (b) Similar in grain size to (2) and with relict granitic texture retained.
- (c) Feldspars, biotite, topaz are partially replaced by muscovite. Traces of fluorite and sericite are present.
- (d) Cassiterite and trace sulphides may be present. Cassiterite occurs as discrete grains or aggregates.
- (e) A siliceous variety, (Sil. F.G.G./Gr.) has been noted in the recent drilling.


(4) Greisen Abbreviation Gr. Symbol * * *

- (a) Colours are grey to dark grey/green.
- (b) This lithology represents the complete alteration of "Fine Grained Granite" and consists of aggregates of quartz, muscovite, biotite and minor albite, topaz. Carbonate and fluorite traces may be present.
- (c) Usually coarser grained than F.G.G./Gr. (up to 4mm).
- (d) Usually containing cassiterite as disseminations, discrete blobs and crude veins. Traces of fine grained sulphide may be present.
- (e) Greisen veins (usually less than one metre) with distinct contacts have been recognised in the recent drilling.

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
- (5) Pegmatite Abbreviation Peg. Symbol 

Colour pink to white and consists of coarse grained feldspar, biotite, quartz. Individual feldspar crystals may reach 15cm in length. Biotite and quartz up to 30mm.

- (6) Quartz Feldspar Rocks Abbreviation Q.F. Symbol 

Three varieties:

 - Coarse Grained, similar to C.G.G. Pink.
 - Fine to medium grained, similar to F.G.G. White to pink.
 - Very fine grained. Aplite. White, cryptocrystalline.

- (7) Dolerite dykes have been intersected in two holes. Of probable Jurassic Age. 

2.5.2 Structure of the Two Granites

Map B.T. 20 shows their surface distribution. Maps B.T. 26, 27, 28 are interpretive sections based on drilling information.

(a) Pit Area

The apparent irregular distribution of the granites in the pit area is due to the variable topography - the contact between the granites is essentially flat and dips southwards at approximately 10°. A discontinuous pegmatite seam up to 50cm wide marks the contact.

Several minor faults have been mapped in the pit area but their relationships with the phase(s) of mineralisation are not fully understood.

(b) North-east of the workings

- (i) In this area the relationships between the two granites are complex. The essentially flat lying contact gives way to a "plug" of "Fine Grained Granite" and intertonguing relationships are evident (Maps B.T. 26, 27, 28).

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- (ii) The sub-horizontal contacts between the granites are often sharp or otherwise marked by
- a distinct pegmatite horizon up to 50cm wide, or
 - a "Transition Zone" which includes a mixture of coarse grained granite, fine grained granite, pegmatite and aplitic bands. This may reach 1m in thickness.

The nature of the lateral contacts between the "Fine Grained Granite" "plug" and the enclosing "Coarse Grained Granite" is not known.

- (iii) Narrow veins of quartz, quartz-mica, aplite are encountered in the "Coarse Grained Granite". These are irregular and usually less than 5cm wide.
- (iv) Within the "Fine Grained Granite" unit, veins and layers of pegmatite, aplite, quartz feldspar are discontinuous and difficult to correlate between holes. On the sections several "Major Pegmatite Horizons" are shown and these comprise a mixture of quartz, pegmatite, aplite and altered fine grained granite lithologies. The uppermost horizon may be a remnant tongue of "Coarse Grained Granite".

2.5.3 Structural Aspects of the Deposit

- (a) The zone extends north-east from the eastern open cut for approximately 350m with an average width of 90m. Partly weathered "Coarse Grained Granite" and, to a lesser extent, unmineralised "Fine Grained Granite" overly the deposit and are regarded as overburden. Map B.T. 24 shows the variation in overburden thickness. The zone is exposed at the eastern face and overburden thicknesses increase to over 90m to the north-east.
- (b) The upper limits of the mineralised zone are regarded as contacts with the overlying "Coarse Grained Granite" and the uppermost "Major Pegmatite Horizon".

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- (c) The lower limits are based upon assay cut-off, when no geological contacts are present.
- (d) The subsurface lateral limits of the zone are defined as:
- (i) In the south-west, by the open cut face.
 - (ii) North-west. The limit is based upon bulked tin grades. Holes drilled further to the north-west encountered up to 30m of greisenised granite without significant tin values (e.g. holes B.T. 27, 24, 67, 18, 30).
 - (iii) North-east. The limit is only tentatively defined on the basis of two holes (B.T. 35, 62) which intersected over 70m of tin-bearing greisenised granite. The surrounding holes (B.T. 43, 38, 36, 50, 19, 48) are regarded as barren, although holes B.T. 43, 48, 19 intersected greisenised granite.
 - (iv) South-east. This margin is complex as indicated on Map B.T. 26 and is divided into
 - A "Coarse Grained Granite" tongue zone. This feature is outlined by holes B.T. 7, 10, 44, 8, 51 and mineralisation is confined to the embayment as indicated on section M-N, Map B.T. 26, and on Hole B.T. 51 section, Map B.T. 28.
 - To the north-east, the "Coarse Grained Granite" cap gives way to the "Fine Grained Granite" plug. Tin-bearing greisen is developed below, or associated with a "Major Pegmatite Horizon". Continuity of tin mineralisation cannot be demonstrated to the south-east in this area.
- (e) The relationship between the mineralised zone and the enclosing granites is shown on Map B.T. 25. Mineralisation is best developed beneath a generally flat lying roof contact and appears to be restricted by complexities arising from
- (i) downward steepening of the contact;
 - (ii) intertonguing of the two granites.

The origin of these features is not well understood at this stage, however, the location of significant mineralisation is apparently related to structural irregularities in the enclosing rocks.

2.5.4 Mineralisation Aspects

- (a) Cassiterite is the only tin bearing mineral detected to date and is associated with greisenised granite and greisens developed in the roof zones of the "Fine Grained Granite". Cassiterite is not evenly distributed and occurs as patchy disseminations and in minor horizontal or steeply dipping veins and seams.
- (b) In general, the intensity of greisenisation and mineralisation decreases with depth, and is largely confined to the upper 30 - 40m of the roof zone. Several possible "pipe-like" greisen zones occur to greater depths, e.g. B.T. 42, 28, 62, 35.
- (c) Not all greisen carries tin.
- (d) C.M.S. Report 77/11/26 indicates that two stages of alteration occurred:
- (i) The first involved the introduction of cassiterite;
 - (ii) The second involved the introduction of sulphides.
- (e) Minor to trace amounts of sulphide are present. The silver content associated with copper and zinc sulphides is worthy of note.
- (f) The following minerals have been detected in metallurgical products:
- scanthite, arsenopyrite, bornite, bismuth, bismuthinite, chalcocite, chalcopyrite, covellite, cubanite, fluorite, galena, molybdenite, pyrargyrite, pyrite, pyrrhotite, proustite, sphalerite, tetrahedrite, wolframite.

2.6 Reserve Estimate

- (a) The results of holes B.T. 1 - 68 (excluding holes 40, 41) are summarised on Map B.T. 21, with the significant area of mineralisation outlined in red.
- (b) As the degree of alteration and the distribution of tin grades within individual drill holes is highly variable, the selection of tin intersections for inclusion in the calculation is based on a bulked average grade of at least 0.1% Sn over 10m (Hole B.T. 44 is an exception, 7.1m of 1.15% Sn).
- (c) The reserve calculation is based upon the Grade Contours and Thickness Contours (Maps B.T. 22, 23).
- (d) The reserve estimate was calculated as follows:
- A 20m square grid was laid out on the plans and a grade and thickness value assigned to each square. For the tonnage estimate, a specific gravity of 2.6 is assumed. The total tonnage of the deposit is obtained by addition of the individual tonnages for each square, calculated as follows:
- Tonnage of any square = Square Area x Thickness x S.G.
- To determine the average grade, the following calculation applied:
- $$\text{Average Grade} = \frac{\sum \text{Tonnage} \times \text{Grade for individual squares}}{\sum \text{Tonnage}}$$
- (e) The above method gave an estimated tonnage and grade of 2.47 million tonnes of 0.27% Sn, comprising:
- (i) 764,257 tonnes at 0.15% Sn
 - (ii) 738,452 tonnes at 0.23% Sn
 - (iii) 970,092 tonnes at 0.39% Sn
- (f) The bulked average Ag grade is estimated at 8 grams/tonne.

2.7 Metallurgical Testwork

The following summary is presented by R.O. Devlin, Project Metallurgist. Progress Reports 1 to 3 are contained in Appendix 4.

Metallurgical testwork has commenced on composite core intersections from diamond drill holes B.T. 42, 44, 49, 51, and 52.

Testwork to date has mainly been involved in heavy liquid separations on composite samples of the mineralised area of each diamond drill hole. Heavy liquid separations have illustrated the variability of cassiterite grain size throughout the area, with 10 percent tin loss to floats being reached at the coarsest size of 1050 microns for drill hole B.T. 42 and at the finest size of 85 microns for B.T. 49.

Mineralogical examinations have shown that 2.96 S.G. heavy liquid sink products consist largely of Topaz (70%), biotite, limonite, stained mica aggregates, with an accessory amount of cassiterite being 70 - 80 percent liberated. Heavy liquid separations at 3.30 S.G. produced sink assays in the general area of 10 - 15 percent tin.

Some preliminary laboratory gravity separations have been performed. Superpanning of the -600 microns fraction of B.T. 42 yielded 84 percent recovery to a concentrate of 54 percent tin. Samples of B.T. 42, 51, and 52 were combined, split at three sizes and tested on a small laboratory jig to give an overall 37 percent recovery to a concentrate assaying 6.16 percent tin. A further 23.6 percent of the tin was left on the jig bed, assaying 1.51 percent tin. Higher jig recoveries should be achieved with greater operator familiarity.

Heavy liquid testwork is underway on intersections from drill holes B.T. 64, 65, 66 and 68.

2.8

Conclusions

- (a) The principal tin mineralisation at the Anchor Mine occurs in a potential open-cuttable situation north-east of the old workings.
- (b) The deposit is estimated at 2.5 million tonnes of average grade 0.27% Sn and occurs in the roof zone of a greisenised granite. Tin occurs as relatively coarse grained cassiterite and is erratically distributed. Traces of sulphide are associated with the mineralisation.
- (c) Relationships between the mineralisation and the enclosing granite rocks are complex. The principal mineralisation is located in a north-east trending zone and is apparently controlled by structural irregularities in the roof zones.

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3. SOUTHERN CROSS / HALEY'S WORKINGS

3.1 Introduction

The Southern Cross / Haley's Workings include a number of abandoned trenches, open cuts and minor underground workings, approximately 500 metres north-west of the old townsite of Poimena, on the Blue Tier plateau (Maps B.T. 19, 29).

Previous work by Mt Lyell (1904 - 1906) outlined a dyke of fine grained granite, striking generally north-south and dipping steeply to the west. Patchy, low tin values were encountered throughout the workings in this area.

3.2 Work Carried Out

Two diamond drill holes, B.T. 40 and 41, were completed to test the dyke at depth. Location of these holes is shown on Map B.T. 29 and drill logs, profiles are contained in Appendix 7. Petrographic descriptions are contained in Appendix 3.

3.3 Results

- (a) Both holes intersected the dyke, which is 10 - 12m wide. The dyke is weakly altered and tin values are very low. Bulkied tin grades of both intersections are <0.1% Sn.
- (b) The dyke rocks are typical of the younger granite intrusion and comprise sodic to sodi-potassic biotite granites with related granitic, aplitic and micaceous greisens. These are characterized by albite, pale primary biotites and abundant accessory topaz, apatite (CMS Report 72/2/18).

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- (c) The country rocks are typical coarse grained to porphyritic, weakly altered biotite adamellites. Reddish-brown alteration or "pinking" of the feldspars occurs up to 5 metres from the dyke contacts. This feature is also recognised in the coarse grained granite cap rocks overlying the Anchor deposit. Otherwise, the coarse grained granite appears unaltered.

Petrological work has revealed alteration effects comprising weak or partial sericitisation of plagioclase and chloritisation of biotite in the country rocks.

- (d) Trace amounts of cassiterite have been detected in the dyke rocks.

3.4 Conclusions

Results of these holes confirm the patchy, low grade tin mineralisation of the dyke rocks. No further work is planned in this area at this stage.

4. OTHER WORK

4.1 Introduction

As approximately 60% of the Licence area consists of the older granite in sub-outcrop, there is considerable scope for the development of mineralisation in structural traps in the roof zones of underlying sill intrusions.

To effectively explore the area, there is a need to develop techniques applicable to the granite/greisen environment. The more commonly used techniques such as magnetics, E.M., I.P., soil geochemistry surveys, have doubtful applicability in broad reconnaissance programmes in the Blue Tier situation.

4.2 General Approach

Assuming that the Anchor mineralisation is typical of the deposit sought, the broad exploration approach is

- (a) to outline structural and/or rock geochemical anomalies;
- (b) to test for greisen development by drilling in areas where the cap rocks are not unreasonably thick (e.g. 50m).

The following integrated exploration steps have been proposed:

- (a) Obtain a set of aerial photographs, a detailed set of photogrammetric and orthophotographic metric maps of the region.
- (b) Undertake a photogeological study and interpretation of the area to define structures, rock types which may be associated with mineralisation.
- (c) Determine if trace element haloes exist at the Anchor deposit with the aim of wider application in the Licence area.

- (d) Undertake resistivity, I.P. and radiometric testing at the Anchor Mine to determine if these methods have a wider application in the Licence area.
- (e) Undertake percussive drilling in areas outlined by steps (b), (c), (d) to delineate targets for detailed follow-up.

4.3 Current Work

At this stage the following work has been carried out or is under-way:

- (a) Colour Photographic Aerial Survey. This was carried out by Australian Aerial Mapping Pty Ltd on 12th December, 1977.
- (b) Base Maps. Currently being prepared by Associated Aerial Surveys.
- (c) Photogeological Study. Currently being undertaken by Loxton Hunting and Associates.
- (d) Trace Element Geochemistry. All assays are contained in Appendix 5 or entered in the drill logs. The results have not been fully evaluated in time for inclusion in this report.
- (e) I.P. - Resistivity Orientation. A preliminary gradient array survey of three lines (total 1510 metres) north-east of the workings and across mineralisation was carried out. Results are discussed in detail in Scintrex Report TAS-053 and are summarised below.
 - (i) background resistivities in the granites are low and range from 200 to 500 ohm-metres.
 - (ii) background chargeabilities are very low, approximately 2 milliseconds, in the granites.
 - (iii) trace sulphides associated with tin mineralisation should be detectable.
 - (iv) gradient array surveys are not the best technique for investigation of the essentially horizontally layered geology.

Following recommendations of the report, down-hole I.P. - Resistivity logging was carried out in September 1978. Results of this work are currently being evaluated.

4.4 Radiometric Scanning of Drill Core

- (a) The basis for this survey arises from references to radioactive material at the Anchor Mine (items 16, 17, 20 in bibliography). The aim of the study is the detection of radiometric anomalies associated with greisen mineralisation.
- (b) Crushed drill core samples from holes B.T. 42, 43, 44, 40 were scanned with a McPhar TV5 Scintillometer and counts were made over 60 seconds at thresholds T1, T2, T3. All readings were taken inside lead shielding to reduce background effects. Background readings were taken before each measurement for B.T. 42 samples.
- (c) Results are contained in Appendix 6 and summarised in the Table below.
- (d) This testwork did not reveal any significant differences between coarse grained granite, mineralisation and fine grained granite rock types. Variations in the sample readings can be attributed to normal background variations. No systematic patterns are associated with the mineralisation and enclosing rocks.
- (e) As the readings were taken on crushed drill core samples, there may be justification to confirm the above results by down hole radiometric scanning of holes B.T. 42, 44.

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SUMMARY OF SCINTILLOMETER TESTWORK

		T1	T2	T3
Background	Range	68 - 132	44 - 78	26 - 58
Measurements (46)	Av.	101	64	45
B.T. 42 F.G.G.		78 - 134	46 - 81	34 - 62
(22 samples)		104	62	42
B.T. 42 Mineralisation		98 - 160	47 - 82	28 - 58
(27 samples)		132	70	45
B.T. 43 C.G.G.		118 - 154	62 - 81	37 - 54
(20 samples)		131	71	46
B.T. 43 Barren Greisen		112 - 146	53 - 78	35 - 54
(9 samples)		132	69	46
B.T. 44 C.G.G.		118 - 144	63 - 88	43 - 67
(4 samples)		124	72	52
B.T. 44 Mineralisation		100 - 138	64 - 88	44 - 63
(3 samples)		119	72	51
B.T. 40 C.G.G.		96 - 158	55 - 82	36 - 62
(31 samples)		123	70	51
B.T. 40 F.G.G.		112 - 146	61 - 79	52 - 60
(12 samples)		125	72	55

5. ECONOMICS OF LOW GRADE TIN ORES ON EAST COAST OF TASMANIA

by L.A. Newnham, Chief Geologist

The possible orebodies considered are those lying close to the eastern coast of Tasmania, in an open-cuttable position, and of a greisen type, most likely occurring within the Blue Tier granite batholith.

The deposit of immediate interest, about which most is known, is the Anchor Deposit, lying approximately 25 km inland from St Helens. Approximately 20 km of this road is the sealed St Helens - Launceston road. The remaining 5 km is a two-wheel drive, all weather dirt road.

St Helens is a well established, well serviced holiday resort, with strong timber and fishing industries also based in the town. It is approximately two hours drive from Launceston by good quality sealed road.

The main Launceston - St Helens power supply (State grid) passes within several kilometres of the Anchor deposit.

The mineralisation defined at Anchor is basically relatively coarse grained cassiterite in an altered or greisenised granite. To date, an estimated 2.5 million tonnes of this material, averaging an estimated 0.27% Sn, have been defined by diamond drilling.

The deposit thus defined outcrops to the west, and plunges beneath a rising hill to the east. It is however regarded as an open cut proposition.

A limited amount of metallurgical work has been completed on drill cores to date, but this work, combined with petrological studies, suggests the cassiterite should be readily recoverable into a good grade concentrate with a fairly straight forward gravity mill.

In considering the economics of the Anchor deposit in isolation, it is agreed by most that the tonnage is somewhat small to enable an operation which avails itself of the economies of scale to be based upon it.

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Even at 500,000 tonnes (5 year life) the throughput may be too small. However, for the purposes of this "broad brush" exercise, the following fundamental parameters have been used in estimating revenue:

Throughput:	500,000 t.p.a.
Head Grade:	0.27% Sn
Recovery:	80%
Concentrate Grade:	60%
Concentrate Value:	\$10,000/tonne of contained tin

Recovered tonnes tin p.a. = 1080 tonnes

Gross Revenue = \$10,800,000

In estimating expenditure, the following parameters have been assumed:

- (i) The open-cut mining operation would be run on a contract basis with all equipment and manpower provided by the contractor.
- (ii) The mill would be a fairly simple gravity mill, with relatively high tin recoveries.
- (iii) The workforce would live in St Helens and be basically self-sufficient. A few staff houses may be necessary, but essentially an operation with nil infrastructure town costs is envisaged if deposits of this grade are to be viable.
- (iv) Some upgrading of the 5 km of dirt road access would be necessary, and power would need to be extended approximately 3 km.

Details of mining costs have been prepared by the Renison Mine Department. A cost estimate of operating concentrator costs has been made by Renison Metallurgical personnel, based on other operations akin in type to Anchor. An estimate of Administration costs was calculated by Renison's Financial Controller and an exploration cost was calculated by myself. Guesstimates of Capital Costs (concentrator, road, power, etc) were made by Renison's Mill Superintendent and Chief Project Engineer. The following is a summary of these deliberations.

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Operating Costs:	(\$/tonne milled)	
Mining:	4.00	
Milling:	7.00 (including maintenance)	
Administration:	2.50	
Exploration:	.50	
Total:	<u>14.00</u>	
Gross Operating Costs p.a.		\$7,000,000
Capital Costs:	Site buildings, services, concentrator, etc.	\$14,000,000

These figures were derived following some quite detailed work, but for brevity sake, the details are not presented here.

Using these Operating and Capital Cost estimates, the Financial Controller then constructed several financial evaluation models.

Using the above cost and mine statistics, a return of 3.86% (5 year L.O.M.) and 9.26% (10 year L.O.M.) on investment was calculated.

In order to obtain a return after tax of 16.2%, the following statistics were required:

Throughput:	525,000 tonnes
Head Grade:	0.275%
Recovery:	82%
Tin Price:	\$10,500
Operating Costs:	\$13.66
Capital Costs:	\$14,000,000
Life of Mine:	10 years

Thus it would seem that the main requirement for making the Blue Tier area appear more financially attractive is to locate more ore of the same type as at the Anchor Mine. All the other above variables are possibly attainable.

To date, approximately 2.5 million tonnes have been defined at the Anchor. The chances of defining more ore in that immediate area appear remote.

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Thus it would seem that our immediate exploration objective at Blue Tier is to attempt to locate and define a further 2.5 - 3 million tonnes of ore of similar characteristics to that at the Anchor Mine. The chances of doing this are difficult to determine, but certain exploration steps can be taken during the next year to assist in resolving this problem.

Thus in summary, it can be stated that the exploration direction at Blue Tier in the next year should be aimed at locating medium tonnage stanniferous greisens of the same general ore characteristics as exist at the Anchor Mine. If this exploration succeeds in defining (in total) 5 - 6 million tonnes of 0.25 - 0.30% Sn in open-cuttable deposits of a metallurgically amenable type, then more definitive feasibility studies would be justified.

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6. PROPOSED WORK

In the short term, work proposed for 1978 - 79 involves the following aspects:

- (a) Completion of projects and evaluation of results arising from the Anchor Mine investigation. This will involve:
 - (i) Completion of metallurgical and associated petrological studies on drill cores B.T. 52, 64, 65, 66, and 68.
 - (ii) Evaluation of trace element geochemistry results.
 - (iii) I.P. - resistivity testwork. Electrical soundings across section I - J of Map B.T. 26 are recommended.

- (b) Regional Work:
 - (i) Completion of base maps and the Photogeological Study.
 - (ii) Delineation on the ground of the contacts between the two main granite types. This will involve road and creek mapping in the following general areas:
 - Anchor mine vicinity,
 - Moon Mine/Lottah Tunnel vicinity
 - Masher Hill/Mt O'Reilly areaIn the last two areas, the regional Map B.T. 19 suggests the older granite cap is not thickly developed and is associated with abandoned tin workings.
 - (iii) The longer term approach is to complete wide pattern (400m) percussive drilling in these areas.

- (c) Budget:

Expenditure of \$106,810 for these programmes is proposed. Details are presented in Appendix 2.

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RENISON LIMITED
GEOLOGY DEPARTMENT

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BLUE TIER EL 9/76

RESPONSIBILITY 078

M/E 27/ 6/78

-- THIS WEEK --		ACCOUNT NAME	ACCOUNT NUMBER	MONTH TO DATE		YEAR TO DATE	
ACTUAL	VARIANCE			ACTUAL	VARIANCE	ACTUAL	VARIANCE
1446	1446 L	SALARIES	010780702	2256	2256 L	16135	16135 L
240	240 L	CONSUMABLES	010780751	1114	1114 L	16895	16895 L
		TRANSPORT	010780755			124	124 L
26320	26320 L	DIAMOND DRILLING	010780791	25006	25006 L	115672	115672 L
		ROAD AND DRILL SITE ACCESS	010780793			208	208 L
27	27 L	SURVEY	010780799	27	27 L	4610	4610 L
		ASSAYING	010780800			5645	5645 L
		TRAVEL AND ACCOMMODATION	010780807			362	362 L
		CONSULTANTS	010780810			3035	3035 L
		OUTSIDE CONTRACTORS	010780827	419	419 L	7020	7020 L
		ROUNDING		1-	1 G	1-	1 G
28033	28033 L	TOTAL BLUE TIER	010789599	28821	28821 L	169705	169705 L

RENISON LIMITED
GEOLOGY DEPARTMENT

BLUE TIER EL 9/76

RESPONSIBILITY 078

P/E 29/ 8/78

ACCOUNT NUMBER	ACCOUNT NAME	PERIOD TO DATE		YEAR TO DATE	
		ACTUAL	VARIANCE	ACTUAL	VARIANCE
010780702	SALARIES	2396	296 L	4137	63 G
010780749	SALARY LOADING	516	201 L	653	23 L
010780751	CONSUMABLES	773	245 L	1408	352 L
010780753	RENISON SERVICES	154	108 G	154	633 G
010780755	TRANSPORT	20	20 L	39	39 L
010780791	DIAMOND DRILLING		L	28000	28000 L
010780793	ROAD AND DRILL SITE ACCESS				
010780799	SURVEY	263	263 L	263	263 L
010780800	ASSAYING				
010780810	CONSULTANTS				
010780827	OUTSIDE CONTRACTORS	1615	1090 L	2710	1660 L
010780834	TRAVEL AND ACCOMMODATION	38	262 G	154	446 G
	ROUNDING			1	1 L
010789999	TOTAL BLUE TIER	5775	1745 L	37519	29196 L

APPENDIX 1

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DENISON LIMITED

BUDGET, 1978/1979.

SHEET #

ITEM	REF.	P#01.	P#02.	P#03.	P#04.	P#05.	P#06.	P#07.	P#08.	P#09.	P#10.	P#11.	P#12.	TOTAL
<u>GEOLOGY - BLUE TIER EL 9/76</u>														
SALARIES	L780702	2100	2100	2100	2131	2131	1066	540	540	2161	2189	2189	2189	21436
SALARY LOADING	L780749	315	315	315	320	320	160	81	81	324	328	328	328	3215
CONSUMABLES	C780751	528	528	528	537	537	537	272	272	3267	2207	1103	552	10868
DENISON SERVICES	L780753	525	262	262	266	266	266	108	108	270	1094	1532	1532	6491
PERCUSSION DRILLING	N780791										25000	25000		50000
CONSULTANTS & CONTRACTORS	L780827	525	525	525	533	533	533	270	270	2161	2189	1642	1094	10800
TRAVEL & ACCOMODATION	N780834	300	300	300	300	300	300	100	100	500	500	500	500	4000
SECTION TOTAL		4293	4030	4030	4087	4087	2862	1371	1371	8683	33507	32294	6195	106810

APPENDIX 2

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REPORT CMS 77/11/26BLUE TIER CORE SAMPLES

The Blue Tier samples were quickly prepared and examined, and essential details 'phoned through on 21.11.77. They are formally described below.

Blue Tier BT42

The eight core samples were from the following depths: 51.4m, 66.6m, 74.2m, 91.6m, 95.3m, 98.8m, 100.4m, 109.8m. They all show very similar features and may therefore be described as a group.

In summary, the rocks are greisenised granites with conspicuous cassiterite; this ranges from 50 μ to six millimetres (individual crystals), and the bulk of the crystals are in the 0.5 - 2.0 mm range, well-defined and simply intergrown (i.e. a metallurgist's delight).

Two distinct stages of hydrothermal alteration of the granite have occurred, and minerals of the second stage partly replace those of the first stage.

The first stage was the normal greisenizing stage, involving the replacement of feldspar and primary micas by topaz and greenish phlogopite, and the introduction of cassiterite, accompanied by sporadic traces of purple fluorite.

The second stage can be regarded as a low-temperature hydrothermal phase, in which some of the topaz and phlogopite was replaced by generally fine, flaky hydromuscovite (often in optical continuity with phlogopite), and other minerals were introduced; these include fine, cloudy sideritic carbonate, and sulphides. The carbonate is generally present as thin streaks and pools along cleavage planes of phlogopite and hydromuscovite. Sulphides are scarce and very erratic in their distribution, sometimes forming distinct veins (as at 51.4m) with siderite and fluorite. Sulphides identified include chalcopyrite bornite/chalcocite, molybdenite (flakes up to 1.5mm).

The cassiterite is particularly well-developed, as single crystals up to 6mm, with the usual mottled amber/colorless appearance, often color zoned, embedded in topaz, quartz and micas. The bulk of the cassiterite is relatively coarse (0.5 - 2.0 mm) and very little is < 100 μ , with occasional crystals in the 20 - 100 μ range; liberation should be straightforward.

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REPORT CMS 78/5/40PETROLOGICAL DESCRIPTIONS OF BLUE TIER DRILLCORES : DDH BT 52DDH BT 52188.1m (TS 24146, K stain negative)

This is a quartz-mica-topaz rock or greisen with disseminated cassiterite.

Coarse anhedral incipiently stressed and weakly microfractured quartz grains (mean 1.2mm) comprise approximately 50% of the rock. Interspersed with the quartz are occasional coarse topaz subhedra (to 2mm x 5.5mm) and frequent coarse grained mica aggregates accompanied by finer granular aggregates and single sub- to euhedral grains of topaz

Mica is largely a pale green biotite mantled and progressively replaced by muscovite typically with thin films of Fe-carbonate along the cleavage planes. Topaz is weakly fractured and veined on a microscale by films of colorless to mauve fluorite or occasionally sellaite. Traces of mauve fluorite also develop along the cleavage traces in muscovitised biotite and heal the late stage microfractures in quartz together with carbonate and sericitic white mica.

Cassiterite is disseminated throughout the rock as variably colorized and pleochroic particles sized from around 50 μ to 1.2mm (mean 250 - 300 μ). Generally this phase is of quartz-intergranular habit although some of the smaller grains are partly to completely included in quartz. The coarser grains tend to be weakly poikilitic with inclusions of muscovite and topaz.

The area sectioned includes a single 150 x 600 μ flake of molybdenite and minor traces of Fe-sulphide. Molybdenite is partly included in quartz and granular topaz and has a little interleaved white mica. The Fe-sulphide occurs as microscale films in a small patch of fluorite.

195.1m (TS 24147, K stain negative)

A quartz mica rock or greisen similar and closely related to the rock at 188.1m but with traces only of topaz and virtually devoid of cassiterite.

This rock consists of weakly microfractured an- to subhedral quartz grains with frequent intergranular to partly included aggregates of muscovite. Much of the white mica is stained with films of Fe-carbonate with associated traces of limonite and represents completely altered green biotite, minor traces of which persist as sparse fine grained inclusions in quartz. Topaz occurs only as thinly dispersed relatively fine grained subhedra enclosed within the mica aggregates. Accessory fine grained

apatite is present and of similar distribution to the topaz but also occurs as inclusions in quartz.

Sporadic intergranular relatively fine grained aggregates of late-stage muscovite occasionally include minute patches of colorless fluorite representing (at least in part) altered topaz granules. Late films of Fe-carbonate are common for example healing microfractures in quartz.

Cassiterite is extremely rare in the area sectioned and was observed as two $< 50\mu$ diameter particles included in quartz.

196.8m (TS 24148, K stain positive)

This is an unusual rock best termed a biotite micropegmatite. There are some similarities with the previously described ~~oolitic~~ granitic rocks from Blue Tier.

The rock has been weakly stressed and is characterised by abundant coarse flakes of biotite typically dark green but with a variably developed color zoning with colorless to brown and pinkish brown and pale green patches. These coarse flakes (to 5mm) are weakly altered with incipient marginal muscovitisation and fairly frequent films of cloudy Fe-carbonate along grain boundaries and cleavage traces. They are often partly mantled by carbonate-stained illite-hydromuscovite aggregates pseudomorphous after finer grained (mean 100μ) biotite or phlogopite flakes.

The remainder of the rock consists essentially of fine grained complexly twinned partly "chequerboard" albite (pinkish in hand specimen) with subordinate K-feldspar partly as thin selvages on albite and also as sparse intergranular aggregates. The K-feldspar is optically sanidine. Distinctly pegmatitic intergrowths occur in places but overall the rock is too fine-grained (apart from biotite) to warrant the term pegmatite (hence micro-).

Late-stage veinlets and films of sericite are common along feldspar grain boundaries and cleavages. Traces of secondary hematite occur associated with the altered biotite. There is no detectable cassiterite.

204.6m (TS 24149, K stain negative)

This is a topaz-mica rock or greisen with accessory carbonate and fluorite.

The rock consists essentially of single grains and coarse granular aggregates of topaz disseminated throughout fine to coarse grained semi-massive white mica aggregates. Carbonate-stained muscovite pseudomorphs (to 2mm) of biotite flakes are disseminated throughout finer grained aggregates of muscovite rosettes.

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Interstitial aggregates of sericite are common and in places the interstices are filled with colorless to mauve (locally color zoned) fluorite or less commonly Fe-carbonate. Topaz throughout the rock is marginally corroded by muscovite and sericite aggregates.

The sectioned area includes a single $400\mu \times 1.5\text{mm}$ flake of molybdenite embedded in muscovite. Extremely rare grains of cassiterite are seen as $40 - 75\mu$ diameter inclusions in topaz or occasionally embedded in topaz-replacive sericite.

205.0m (TS 24150, K stain negative)

This is a weakly stressed biotite micropegmatite similar to the rock at 196.8m and no doubt closely related. In contrast however this rock is finer and more even-grained.

The rock consists largely of granular to euhedral slightly interlocking albite (mean $250 - 300\mu$) forming semi-massive aggregates enclosing sparsely disseminated partly sericitised and carbonated flakes of pale green biotite. Patchy single to aggregated completely sericitised ?K-feldspar grains are present and locally mantle albite (which in contrast is only weakly clay-stained). Accessory apatite is common. Sporadic late intergranular aggregates and semi-continuous veinlets of kaolin are present. Fe-carbonate is common throughout the rock in irregular clots and frequent highly discontinuous microscopic films penetrating feldspar grain boundaries and cleavages.

There is no detectable sulphides or cassiterite in the area sectioned.

207.9m (TS 24151, K stain negative)

This is a quartz-mica rock or greisen with no detectable cassiterite.

The rock consists largely of weakly microfractured granular quartz with disseminated intergranular mica aggregates. These latter features consist of extensively muscovitised and carbonated green biotite and slightly finer grained "primary" muscovite in roughly equal proportions.

The mica aggregates include minor accessory traces of apatite as isolated grains up to 350μ diameter. The sectioned area includes rare quartz-intergranular patch of fluorite up to 500μ diameter. Microfractures in quartz are healed with sericite.

The paragenesis of this rock is closely similar to that of the associated specimens, that is, micaceous (biotite, muscovite) greisens with a phase of muscovitisation and sericitisation with carbonate and fluorite as accessory alteration phases. In contrast to previous examples this rock is devoid of topaz and as noted above there is no detectable cassiterite.

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210.5m (TS 24152, K stain positive)

This is a weakly stressed biotite-muscovite micropegmatite similar and closely related to the previous examples.

This rock consists largely of granular to crudely radiating and micropegmatitic albite with slightly subordinate closely intergrown K-feldspar (sanidine at least in part). Grain sizing is variable but generally fairly fine. In common with the rock at 196.8m the albite is pink in hand specimen due to pervasive dusty Fe-oxide staining and the K-feldspar is clear and colorless (although whitish in hand specimen).

Frequent partly altered (carbonated) flakes of green biotite are present and these features are often mantled with muscovite partly as radiating aggregates (rosettes). Locally there is evidence of a second outer zone of biotite (completely muscovitised carbonated) in the mica aggregates with, rarely, an intermediate zone of crudely radiating fine grained feldspar.

Thus this rock although clearly related to the previous "pegmatites" can be contrasted with them in terms of fabric and to some extent composition.

Irregular patches of Fe-carbonate are common and develop partly by replacement of albite. Fine microscopic carbonate veinlets heal discontinuous microfractures. Feldspars contain disseminated spherical microscopic inclusions (10 - 25 μ) of an indeterminate metamict phase possibly with associated carbonaceous matter. Where included in biotite these features have pleochroic haloes but are of no more than mineralogical curiosity value.

D. Cowan, B.Sc.

REPORT DMS 78/2/18COMMENTS

This suite of rocks can be readily subdivided into two major groups comprising

1. weakly altered biotite adamellites
2. sodic to sodi-potassic biotite granites with closely related granitic aplitic and micaceous greisens.

The adamellite is equigranular to weakly porphyritic and characterised by a strongly pleochroic brown to reddish brown (titaniferous) biotite. Accessory muscovite may be present and apatite is ubiquitous. Alteration is generally weak with partial sericitisation of plagioclase and chloritisation of biotite. A few examples carry secondary green biotite. This is a primary phase in the group 2 rocks and this relationship confirms the granites as intrusive into the adamellite.

Group 2 rocks represent a relatively alkaline granitic phase with associated greisens. These rocks are characterised by albite, pale primary biotites and relatively abundant muscovite. Accessory apatite is semi-ubiquitous and topaz is common. Muscovite is typically of late-magmatic character, often interstitial, but also as overgrowths and replacements of biotite. This late-stage muscovite "grades" into a relatively finer grained greisenizing mica phase replacing feldspar, biotite and topaz.

With decreasing feldspar and enhanced (primary) muscovite (+ topaz) contents the granite grades into greisens which are similarly characterised by pale biotites. Intermediate types (i.e. highly micaceous granites (granite greisens) aplitic varieties (aplite greisens) and muscovitised types (greisenized granites) are also common).

The pale biotites are anomalous in terms of color (yellowish brown, yellowish green, and unusual green tints) and optics (particularly widely variable 2v). Color zoned varieties are seen typically with pale cores and relatively dark (green) marginal zones. There is a related variation in 2V which may be unusually high (30-40°) in the darker green varieties.

The late greisenizing muscovite phase is not uncommonly pale yellow in thin section particularly where it replaces topaz. Mauve fluorite and Fe-carbonate are accessory alteration phases associated with muscovitised topaz and biotite respectively.

Cassiterite is completely restricted to the biotite granite and associated greisens. Grain size is widely variable but generally coarse with few grains less than 50µ diameter and ranging upwards to grains of millimetric proportions. Often cassiterite is of intergranular habit and primary character (similarly topaz). Cassiterite is seen for example as inclusions in albite, partial inclusions in quartz or embedded in coarse muscovite. Overall it appears to

predate the late muscovitisation. Much of the cassiterite is dark with brown to red coloration.

There is an apparent correlation between the occurrence of cassiterite and relatively dark green optically anomalous (high ZV) biotite. Whilst the two phases are rarely intergrown it seems likely that the darker green biotites are relatively stanniferous types. Electron-probe analyses may be warranted in view of the generally low tin grades. However, there is a good general correlation between Sn values and observed cassiterite, suggesting that the contribution from stanniferous biotite is rather minimal.

The relatively coarse cassiterite grainsizes and the generally low degree of silicate-cassiterite interlocking should be reflected in a high degree of liberation at intermediate grinds.

Greisens carrying trace to minor amounts of sphalerite bornite and chalcopyrite. The Cu-Fe sulphides are incipiently altered to chalcocite. Chalcopyrite occurs mainly as exsolution particles within sphalerite but also as discrete patches and microscopic films along silicate grain boundaries and cleavage planes.

No discrete Ag-bearing phases were detected in polished sections. Subsequently a few grains (50 - 150 μ) of "ruby silver" (proustite or pyrargyrite) were seen embedded in fine grained muscovite in the thin section from 59.0m in BT48.

The pending examination of Blue Tier heavy liquid fractions should provide more information on the distribution of silver.

D. Cowan, B.Sc.

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Sample Details	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT40 24.6m	Porphyritic Biotite Muscovite Adamellite Orthoclase (weakly micropertthitic) 30%; oligoclase, 30%; quartz, 30-35%; brown biotite, 5-10%; muscovite 1-2%.	Equigranular granitic, rare orthoclase phenocrysts.	1° apatite small trace zircon 2° chlorite sericite.	Weakly stressed mildly altered, partial sericitisation oligoclase marked chloritisation biotite.
27.8m	Biotite Adamellite. Oligoclase 30% quartz 30% orthoclase 20-25% brown biotite 10%.	Relatively coarse equigranular granitic	1° apatite, small trace zircon muscovite 2° chlorite sericite.	Very similar to 26.4m, weakly stressed, mildly altered as above.
28.7m	"Aplite Greisen" Albite 40% muscovite 20% quartz 30% orthoclase 5-10% apatite 1-2%.	Fine grained weakly banded aplite-like, occasional quartz phenocrysts.	Minor 1° magnetite trace cassiterite and green biotite.	Greisen-like rock with late interstitial muscovite. Cassiterite is sparse, dark red-brown to near opaque, sized 20-75µ, intergranular 1° habit.
35.7m	Sodic Biotite Granite. Quartz 60% albite 25% green biotite 2-3% muscovite 10%.	Granular to granitic albite mainly laths in quartz.	1° apatite, very minor trace cassiterite 2° sericite, abundant late limonite on fractures.	Quartz-rich "leucogranite" clearly related to 28.7m with late muscovite. Cassiterite extremely rare <10-40µ near-opaque intergranular particles.
38.5m	Sodic Biotite Microgranite. Quartz 50% albite 30-35% orthoclase 10% green biotite 2-3% muscovite 1-2%.	Granular to granitic (sim. 35.7m)-weakly quartz porphyritic.	1° apatite, trace cassiterite 2° sericite.	Closely related to 28.7m, 35.7m. Moderate sericitisation feldspar, biotite Cassiterite sparse evenly disseminated semi-opaque 50-120µ particles partly included in quartz & albite.
43.0m	Porphyritic Biotite Micro-granite. Quartz 40% albite 30% orthoclase 25% green biotite 5% pale green apatite 1%.	Medium-grained granitic fabric, quartz-porphyritic.	Minor traces cassiterite magnetite muscovite 2° muscovite carbonate.	Unstressed, weak to moderate muscovitisation, carbonation of biotite. Cassiterite very sparse semi opaque 30-150µ grain
45.4m	Biotite Adamellite. Quartz 30% oligoclase 30% orthoclase 30% brown biotite 10%.	Relatively coarse even grained granitic.	Trace 1° apatite muscovite 2° chlorite sericite green biotite.	Similar to 24.6 and 27.8. Moderate sericitisation oligoclase, chloritisation biotite. Traces 2° green biotite after feldspar, biotite.
68.4m	Biotite Adamellite. Quartz 25-30% oligoclase 25-30% orthoclase 25-30% brown biotite 10-15%.	Very similar to 45.4m.	Trace 1° muscovite apatite zircon 2° chlorite sericite.	Similar to 24.6m etc. Cognate xenolith (or contact with) finer biotite-rich micro-adamellite. Relatively weak alteration.
BT41 14.5m	Biotite Adamellite. Quartz 25-30% oligoclase 30-35% orthoclase 30-35% brown biotite 5-10%.	Relatively coarse even-grained granitic (sim. BT40 45.4m).	Trace 1° apatite muscovite zircon 2° sericite chlorite.	Weakly altered (sericitisation oligoclase, chloritisation biotite) weakly stressed.

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Sample Details	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT41 24.9m	Biotite Adamellite. Quartz 30-35% orthoclase 30-35% oligoclase 25-30% brown biotite 5-10%	Medium to coarse granitic	Trace 1° apatite zircon muscovite 2° sericite	Typical brown biotite adamellite. Minor to moderate sericitisation of oligoclase and biotite.
30.6m	"Aplite Greisen". Quartz 50-55% albite 20-25% muscovite 15-20% green biotite 2-3% orthoclase 1% apatite 1%.	Quartz porphyritic trend aplitic, sim. BT40-28.7m but unbanded.	Very minor trace 1° cassiterite. Minor 2° sericite.	Greisen-like late interstitial muscovite. Cassiterite very rare 25-100µ skeletal, semi-opaque particles often included in biotite.
33.1m	Porphyritic Biotite Microgranite. Orthoclase 30-35%, albite 30-35%, quartz 30%, green biotite 2-5%.	Quartz porphyritic medium grained.	1° apatite trace muscovite, cassiterite minor 2° sericite.	Sim. to BT40:43.0m. Incipient sericitisation. Cassiterite rel. abundant (0.2-0.3%) as 20-500 (mean 100-150µ) particles, distinctly intergranular habit.
86.2m	Porphyritic Biotite Adamellite Quartz 30-35% orthoclase 30% oligoclase 30% brown biotite 5-10%.	Granitic and relatively coarse weakly feldspar-porphyritic.	1° apatite zircon 2° chlorite sericite carbonate.	As for 24.9m. Weak to moderate sericitisation feldspar, chloritisation (with minor carbonate) of biotite.
19.7m BT42	Greisened Biotite Granite. Quartz 30% albite 30-35% orthoclase 30% pale biotite 10%.	Even grained granitic.	1° apatite, minor trace topaz 2° muscovite minor quartz.	Unusual very pale yellowish biotite. Moderate greisening (muscovitisation) of feldspar and particularly biotite, minor quartz veinlets.
25.8m	Biotite Topaz Granite Quartz 40% albite 20-25% orthoclase 30% pale biotite 2-3% topaz 1%.	Granitic	1° apatite Minor 2° muscovite trace fluorite.	Similar to 19.7. Very weakly greisened with traces of fluorite (Mauve with pleochroic haloes) in partly altered biotite, minor quartz veining.
32.5m	Biotite Topaz Granite. Quartz 30-35% orthoclase 30% albite 30%, pale biotite 5% topaz 1-3%.	Granitic, relatively fine grained trend microgranite.	1° apatite Minor trace 2° muscovite	Sim. to 25.8m, incipient greisening.
39.7m	Greisened Biotite Granite. Quartz 35% albite 25-30%, orthoclase 25-30% pale biotite 10-15%.	Granitic, slightly coarser than 32.5m	1° topaz, apatite 2° muscovite sericite, fluorite.	Relatively abundant 1° mica. Abundant 2° fine muscovite & sericite after feldspar, biotite with frequent small patches mauve fluorite. Topaz partly sericitised.
42.6m	Greisened Biotite Topaz Granite Quartz 30% albite 25% orthoclase 25% pale biotite 10-15% topaz 3-5%.	Granitic, very similar to 39.7m	Trace 1° apatite 2° sericite, muscovite fluorite trace carbonate.	Similar to 39.7m but with relatively abundant topaz. Extensively greisened with accessory cloudy mauve fluorite minor cloudy carbonate.

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Sample Details	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT42 45.0m	Greisened Biotite Granite. Quartz 30-35% albite 30% orthoclase 30% <u>pale</u> biotite 5-10%.	Granitic very similar to 39.7 42.6m	1° apatite trace topaz 2° muscovite sericite fluorite carbonate	Near-identical with 39.7m Moderately greisened with accessory mauve fluorite traces cloudy carbonate.
113.7m	Sodic Microgranite. Quartz 50% albite 40%, orthoclase 5% mica (?biotite) 5%.	Granitic trend aplitic	1° magnetite minor trace apatite 2° carbonate martite trace sericite.	Pink coloration reflects magmatic reddening and martitised 1° magnetite. Mica completely altered to cloudy Fe-carbonate, minor sericitisation.
130.7m	Greisened Biotite Topaz Granite. Quartz 30% albite 30% orthoclase 30% <u>pale</u> biotite 5-10% topaz 1-2%.	Granitic trend medium-grained (microgranite)	1° minor trace apatite cassiterite. 2° muscovite trace carbonate.	Similar to 25.8m etc. Moderately greisen-ed-muscovitised. Cassiterite extremely sparse 20-50µ inclusions in feldspar.
139.7m	Greisened Biotite Topaz Granite. Quartz 25% albite 30% orthoclase 30% <u>pale</u> biotite 5-10% topaz 2-3%.	Granitic, relatively coarse grained.	1° minor trace apatite zircon muscovite 2° muscovite minor trace carbonate.	Weak to moderate muscovitisation-greisenning with topaz partly replaced by sericite.
BT43 24.0m	Biotite Adamellite Quartz 30-35% orthoclase 30% oligoclase 25-30% <u>brown</u> biotite 5-15%.	Relatively coarse equigranular granitic	1° trace apatite minor trace muscovite 2° muscovite <u>green</u> biotite chlorite.	Weakly to moderately altered with patchy development of chlorite (after biotite) fine muscovite and pale green biotite.
39.5m	Biotite Adamellite Quartz 40% orthoclase 30% oligoclase 25% <u>brown</u> biotite 5-10%.	Coarse grained weakly porphyritic granitic	Minor trace 1° apatite zircon muscovite 2° chlorite sericite.	Similar to 24.0m, slightly coarser grained. Weakly altered with incipient sericitisation oligoclase chloritisation biotite.
(59.8m)	Biotite Granite. Quartz 25-30% orthoclase 40-45% Fe-stained oligoclase 15-20% <u>brown</u> biotite 5-10%.	Very coarse trend feldspar-porphyritic granitic.	Minor trace 1° apatite zircon 2° sericite muscovite carbonate fluorite pyrite.	Coarse granitic variant of biotite adamellite. Weak to moderate greisenning-style alteration with accessory carbonate minor fluorite pyrite.
77.8m ↓	"Granite Greisen" Quartz 30%, albite 25-30% orthoclase 25-30% <u>yellow-green</u> biotite 5% muscovite 10-15%.	Coarse to medium granitic, interstitial muscovite.	Trace 1° apatite topaz cassiterite 2° muscovite (trace).	Essentially a granite with abundant late interstitial rosette muscovite. Cassiterite as rare euhedral grains 50µ-2mm partly included in quartz.
96.3m ↓	Sodic Granite Greisen Quartz 40% albite 20-25% muscovite 30% <u>pale</u> biotite 5-10%.	Granitic, interstitial muscovite.	Trace 1° apatite topaz cassiterite. Minor 2° sericite fluorite carbonate.	Sim. 77.8m. Cassiterite as sparse skeletal to subhedral grains (200-500µ) included in albite, embedded in muscovite.

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Sample Details	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
240.0m	Granite Greisen Quartz 30-35% orthoclase 30% albite 25-30% pale biotite 5% muscovite 10-15%.	Granitic interstitial muscovite.	Minor trace 1° apatite zircon topaz Minor 2° muscovite carbonate.	Similar to 77.8m and 96.3m but less micaceous. No detectable cassiterite.
BT44 30.9m	Mineralised Greisen, Quartz 50% muscovite 25% topaz 15-20% green biotite 5% sulphides 1-5%.	Granular micas largely interstitial.	Traces mauve fluorite 2° chlorite vermicul- ite cloudy carbonate.	Accessory primary biotite largely replaced by vermiculite and chlorite. Sphalerite in patches to 2mm with accessory bornite chalcopyrite trace
31.4m	Mineralised Greisen. Quartz 60% topaz 15-20% muscovite 15-20% green biotite 2-3%.	Similar to 31.4m.	Traces mauve fluorite carbonate chlorite sphalerite minor trace bornite chalcopyrite.	Muscovite largely secondary after biotite with subordinate cloudy carbonate chlorite fluorite & carbonate veinlets in topaz.
32.0m	Mineralised Greisen. Quartz 40% green biotite 30-35% topaz 20% cassiterite 0.5-1%.	Granular quartz & topaz with coarse random biotite flakes.	Traces mauve fluorite sulphides 2° traces carbonate.	Biotite weakly carbonated. Cassiterite as disseminated dark an- to subhedral grains (100-1mm) intergranular to quartz and topaz.
38.2m	Mineralised (Granite-)Greisen Quartz 45-50% albite 20% muscovite 20-25% green biotite 5% topaz 0.5-1%.	Vaguely granitic with interstitial muscovite.	Trace apatite cassiter- ite (0.1-0.2%) 2° muscovite carbonate.	Cassiterite as sparse granules (from 50µ) irregular aggregates (to 750µ) and rare euhedra (to 500µ) included in feldspar or embedded in mica.
77.1m	Mineralised Granite greisen. Quartz 40% albite 20-30% pale biotite 15% muscovite 20% cassiter- ite 1-2%.	As for 38.2m	Trace apatite topaz 2° muscovite.	Minor late muscovite veinlets. Cassiterite as spongy aggregates & diss- eminated subhedra embedded in feldspar muscovite.
BT48 51.2m	Mineralised Granite Greisen Quartz 40% albite 25-30% muscovite 25-30% green biotite 5-10%.	Granitic with coarse interstitial muscovite	Minor topaz trace apat- ite cassiterite Minor carbonate trace chalco- pyrite.	Abundant late muscovite partly overgrowth replacement of biotite (with carbonate) Cassiterite sparse 20-350µ grains often in muscovite.
59.0m	Mineralised Greisen. Quartz 50% green biotite 20% muscovite 10-15% topaz 15-20%.	Granular quartz topaz with coarse random biotite.	Sphalerite (approx. 1%) trace cassiterite minor trace ruby silver chalcopyrite 2° muscovite carbonate	Similar to BT44 32.0m with abundant 2° muscovite replacing biotite topaz. Cassiterite as very rare 10-60µ particles in muscovite.
67.8m	Mineralised Greisen Quartz 65-70% green biotite 10-15% muscovite 10-15% topaz 2-3%.	Similar to 59.0m.	Sphalerite (1-2%) small trace cassiterite, chalcopyrite. Abundant 2° muscovite.	Muscovite largely of late to secondary habit replaces topaz earlier biotite. Cassiterite as very rare 20-40µ particles in muscovite.

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Sample Details	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
101.7m	Altered Mineralised Granite Gneiss. Quartz 60% (altered) albite 15% muscovite 20% <u>green</u> biotite 5%.	Granular to vaguely granitic.	Sphalerite (1%) trace apatite, topaz, chalcopyrite 2 ^o muscovite carbonate.	Feldspar-poor granitic gneiss phase with albite completely muscovitised. Biotite similarly altered, no detectable cassiterite.
104.2m	Altered Mineralised Granite Gneiss. Quartz 50% (altered) albite 15% muscovite 10% <u>green</u> biotite 20-25% topaz 2-3%.	Vaguely granitic with coarse random biotite.	Apatite sphalerite (0.5%) trace chalcopyrite 2 ^o muscovite carbonate.	Similar to 101.7m but relatively abundant biotite topaz. Feldspar completely and topaz biotite partly muscovitised. No detectable cassiterite.
BT49 3.9m	Altered Granite Gneiss. Quartz 50% albite 20% muscovite 20-30% <u>pale to green</u> biotite 5-10%.	Granular to granitic vaguely banded.	Apatite topaz trace to minor <u>cassiterite</u> 2 ^o muscovite.	Muscovite largely interstitial with but partly replaces feldspar biotite topaz. Cassiterite sparse 50-300 μ intergranular loosely intergrown with muscovite.
10.4m	Mineralised Mica Gneiss. Muscovite 60-65% <u>pale to green</u> biotite 20-25% topaz 10-15% <u>cassiterite</u> 1-3%.	Coarse random mica intergranular and included topaz cassiterite.	Minor 2 ^o muscovite.	Quartz-free mica-rich segregation with patchy late muscovitisation of topaz. <u>Cassiterite</u> sized 50 μ -2mm (mean 250-500 μ).
11.8m	Mineralised Granite Gneiss. Quartz 50%, muscovite 20% pale to green biotite 15% albite 15% cassiterite 0.5% topaz 1%.	Granular to weakly granitic.	Minor 2 ^o muscovite carbonate.	Color zoned biotite partly overgrown by muscovite. Some 2 ^o muscovite after topaz albite cassiterite 50-750 μ in muscovite.
13.0m	Granite Gneiss. quartz 60-65% muscovite 20% albite 10-15% green biotite 5%.	Granular to weakly granitic muscovite largely interstitial	Minor trace topaz sphalerite 2 ^o muscovite carbonate.	Similar to 11.8m, minor 2 ^o muscovite after topaz biotite albite. No detectable cassiterite.

2.5 Geology2.5.1 Rock Types

The nomenclature of Taylor (Bibliography No. 29) has been adapted in the present investigation to maintain uniformity with the earlier Aberfoyle drilling. Petrological descriptions are contained in Appendix 3 and entered in the appropriate drill logs.

Two main granite types are recognised:

- (1) An older "Coarse Grained Granite" (porphyritic biotite adamellite).
- (2) "Fine Grained Granite" (biotite - muscovite granite and related greisens, pegmatite, aplite).

(1) Coarse Grained Granite Abbreviation C.G.C. Symbol + +

- (a) Weathered to sand and rubble for up to 25m from the surface. Symbol on drill logs ∴
- (b) When fresh it is bluish-white in colour and composed essentially of quartz, feldspars and biotite. Usually coarse grained, equigranular to porphyritic texture.
- (c) Typical thin section description - quartz 30%, oligoclase 30%, orthoclase 30%, biotite 10%, with accessory muscovite and apatite. Alteration is weak - partial sericitisation of plagioclase and chloritisation of biotite.
- (d) Several varieties occur
 - Pink. Feldspars become "pinked" near the surface and near the contact with greisenised granite, fine grained granite and pegmatite.
 - Orange-red. Iron stained near the surface.
 - Kaolinised and weathered near the surface.
- (e) The granite is barren.

(2) Fine Grained Granite + biotite, muscovite Abbreviation F.G.C.
Symbol + + +

- (a) Colour is pink-white, speckled black.

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- (b) Usually equigranular with grain sizes around 2mm. Variations in grain size do occur - with depth, the granite becomes coarse grained. Finer grained phases have been recorded in the recent drilling programme.
- (c) Composition is essentially quartz, feldspars, biotite, and muscovite. In thin section the rock is characterised by albite, pale biotite, muscovite and accessory apatite, topaz.
- (d) With progressive alteration of this granite, (3) "Fine Grained Granite/Greisen" and (4) "Greisen" are developed.

(3) Fine Grained Granite/Greisen Abbreviation F.G.G./Gr.

Symbol + + +

- (a) Varying in colour - white, grey, pink-white, yellow green.
- (b) Similar in grain size to (2) and with relict granitic texture retained.
- (c) Feldspars, biotite, topaz are partially replaced by muscovite. Traces of fluorite and sericite are present.
- (d) Cassiterite and trace sulphides may be present. Cassiterite occurs as discrete grains or aggregates.
- (e) A siliceous variety, (Sil. F.G.G./Gr.) has been noted in the recent drilling.

(4) Greisen Abbreviation Gr. Symbol * * *

- (a) Colours are grey to dark grey/green.
- (b) This lithology represents the complete alteration of "Fine Grained Granite" and consists of aggregates of quartz, muscovite, biotite and minor albite, topaz. Carbonate and fluorite traces may be present.
- (c) Usually coarser grained than F.G.G./Gr. (up to 4mm).
- (d) Usually containing cassiterite as disseminations, discrete blobs and crude veins. Traces of fine grained sulphide may be present.
- (e) Greisen veins (usually less than one metre) with distinct contacts have been recognised in the recent drilling.

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(5) Pegmatite Abbreviation Peg. Symbol 

Colour pink to white and consists of coarse grained feldspar, biotite, quartz. Individual feldspar crystals may reach 15cm in length. Biotite and quartz up to 30mm.

(6) Quartz Feldspar Rocks Abbreviation Q.F. Symbol 

Three varieties:

- Coarse Grained, similar to C.G.G. Pink.
- Fine to medium grained, similar to F.G.G. White to pink.
- Very fine grained. Aplite. White, cryptocrystalline.

(7) Dolerite dykes have been intersected in two holes. Of probable Jurassic Age. 

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Research.

RENISON LIMITED

RESEARCH DEPARTMENT

212055

BLUE TIERS METALLURGICAL TESTWORK

PROGRESS REPORT NO. 1 - HEAVY LIQUID SEPARATIONS

CONTENTS:

1. SUMMARY
2. INTRODUCTION
3. PROCEDURE
4. HEAVY LIQUID SEPARATION RESULTS
5. DISCUSSION OF RESULTS
6. RECOMMENDATIONS
7. APPENDICES

SUBMITTED BY:

R.O. Devlin
ASSISTANT METALLURGIST

DATE: 28th March, 1978

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1. SUMMARY

Heavy liquid tests were performed on a 63 metre composite from the intersection 47.7 to 110.7 metres of diamond drill hole number BT42. The sample was initially rolls crushed to 100 percent passing 1670 microns (10 mesh).

The heavy liquid separations were good with 80.1 percent of the overall weight and 5.7 percent of the total tin reporting to floats (S.G. less than 2.96). The sinks (S.G. greater than 3.3) contained 5.6 percent of the weight and 84.6 percent of the tin. At 750 microns more than 90 percent of the cassiterite reported to the sinks but this dropped to 53 percent as the particle size increased to 1425 microns.

The consulting mineralogist reported that 90 percent of the cassiterite in the total sinks fractions was completely liberated with free grains observed up to 1.3 mm diameter.

2. INTRODUCTION

Heavy liquid tests were performed on a sample from the Renison exploration lease known as Blue Tier. The sample was a 63 metre composite of diamond drill hole number BT42 containing intersections from 47.7 metres to 110.7 metres. Products from the heavy liquid tests were sent to Central Mineralogical Services for mineralogical assessment.

3. PROCEDURE

The composite sample was rolls crushed to 100 percent passing 1670 microns, screened on a $\sqrt{2}$ series and tin analysis performed. A series of heavy liquid tests were performed using Tetra Bromo Ethane at specific gravity 2.96 and Methyl Iodide at specific gravity 3.3.

An overall heavy liquid result was calculated from the individual separations and results are tabulated in Table 1.

To reduce the number of samples for mineralogical testwork, heavy liquid tests were performed at three size ranges, namely 1670 to 850 microns, 850 to 150 microns and 150 to 38 microns. Each size fraction was initially separated at S.G. of 2.96 with products being filtered to recover T.B.E. and then washed with acetone to dissolve any residual T.B.E.. The sinks were then dried and separated further with Methyl Iodide at 3.3 to produce final sinks and middlings products. Acetone washings were also performed prior to drying. The tests were performed in duplicate with one test being assayed (Table 2) and one test used for a mineralogical appraisal (Appendix B).

A heavy liquid test was carried out on a sample sized at 600 microns and a scout grind performed on the +600 micron floats. The reground floats product was separated at a specific gravity of 2.96.

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4. HEAVY LIQUID SEPARATION TEST RESULTS

The size by size recovery of tin to heavy liquid products are shown in figure A:1. An overall heavy liquid result was calculated from these results and is reported below in Table 1.

Table 1.: Overall Heavy Liquid Results

PRODUCT	% WEIGHT	% TIN	DISTRIBUTION
Floats	80.14	0.04	5.66
Middlings	10.03	0.33	5.84
Sinks	5.62	8.53	84.57
Slimes	4.21	0.53	3.93
TOTAL	100.00	0.57	100.00

Heavy liquid tests were performed to produce duplicate samples for assay of the products required for the mineralogical appraisal in Appendix B. Results are reported in Table 2.

Table 2.: Tin Analysis of Products for Mineralogical Appraisal

PRODUCT	+850 _μ			+150 _μ			+38 _μ		
	ZWT	ZSn	DIST	ZWT	ZSn	DIST	ZWT	ZSn	DIST
Sinks	2.50	10.20	64.2	7.69	8.98	92.4	10.95	7.46	93.7
Floats	87.65	0.08	17.7	81.34	0.04	4.4	82.10	0.02	1.9
Middlings	9.85	0.73	18.1	10.97	0.22	3.2	6.95	0.55	4.4
TOTAL	100.00	0.40	100.0	100.00	0.75	100.0	100.00	0.87	100.0

5. DISCUSSION OF RESULTS

The tin distribution curve (Figure:A.1.) shows greater than 90 percent of the tin reports to heavy liquid sinks at 750 microns and this drops sharply to 53 percent of the tin as the particle size increases to 1425 microns.

750 microns appears to be the maximum size where more than 90 percent of the cassiterite reports to sinks at an S.G. of 3.3. The percent passing curve (Figure A.2.) shows 55 percent of the weight and 70 percent of the tin in the crushed feed sample passes 750 microns.

The tin content of the sinks fractions varied between 10.20 and 7.46 percent tin. Mineralogical observations (Appendix B) concludes that cassiterite is largely liberated in the coarse fractions and almost completely liberated in the -150+38 micron range. The main diluent of sinks appears to be Topaz (S.G. 3.5) followed by Mica, Feldspars and Quartz. Sulphides do not appear to be substantially liberated till the -150 micron range.

The main constituents of all the floats appears to be free and composite quartz and feldspars.

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A relatively large sample was sized at 600 microns with the +600 micron fraction separated as normal in heavy liquids (Table 3.). The floats fraction was then regrind, with the aim of liberating composite cassiterite, and separated at 2.96 specific gravity. Results are shown below in Table 4.

Table 3.: +600 Micron Fraction Separation Prior to Re grind

PRODUCT	ZWT	%Sn	DIST	%Mo	DIST	ppm Ag	DIST	%Cu	DIST
+3.3 S.G.	3.27	9.11	63.7	0.11	97.0	120	35.5	0.97	39.8
+2.96-3.3 S.G.	9.56	0.77	15.7	0.011	2.4	29	25.1	0.20	24.0
CALC -2.96 S.G.	87.17	0.11	20.6	0.002	0.6	5	39.4	0.033	36.2
TOTAL	100.00	0.47	100.0	0.072	100.0	11	100.0	0.08	100.0

Table 4.: +600 Micron Floats After Re grind

PRODUCT	ZWT	%Sn	DIST	%Cu	DIST	ppm Ag	DIST
+2.96 S.G.	2.12	1.59	7.6	0.29	7.7	43	7.4
-2.96 S.G.	50.45	0.04	4.5	0.010	6.3	2	8.2
--38 Microns	34.60	0.11	8.5	0.051	22.2	8	23.8
TOTAL	87.17	0.11	20.6	0.033	36.2	5	39.4

A further 7.6% of the cassiterite reported to a 2.96 S.G. sink however 8.5% the tin reported to slimes indicating too fine a grind and further testwork is required to optimise grinding times.

6.

RECOMMENDATIONS

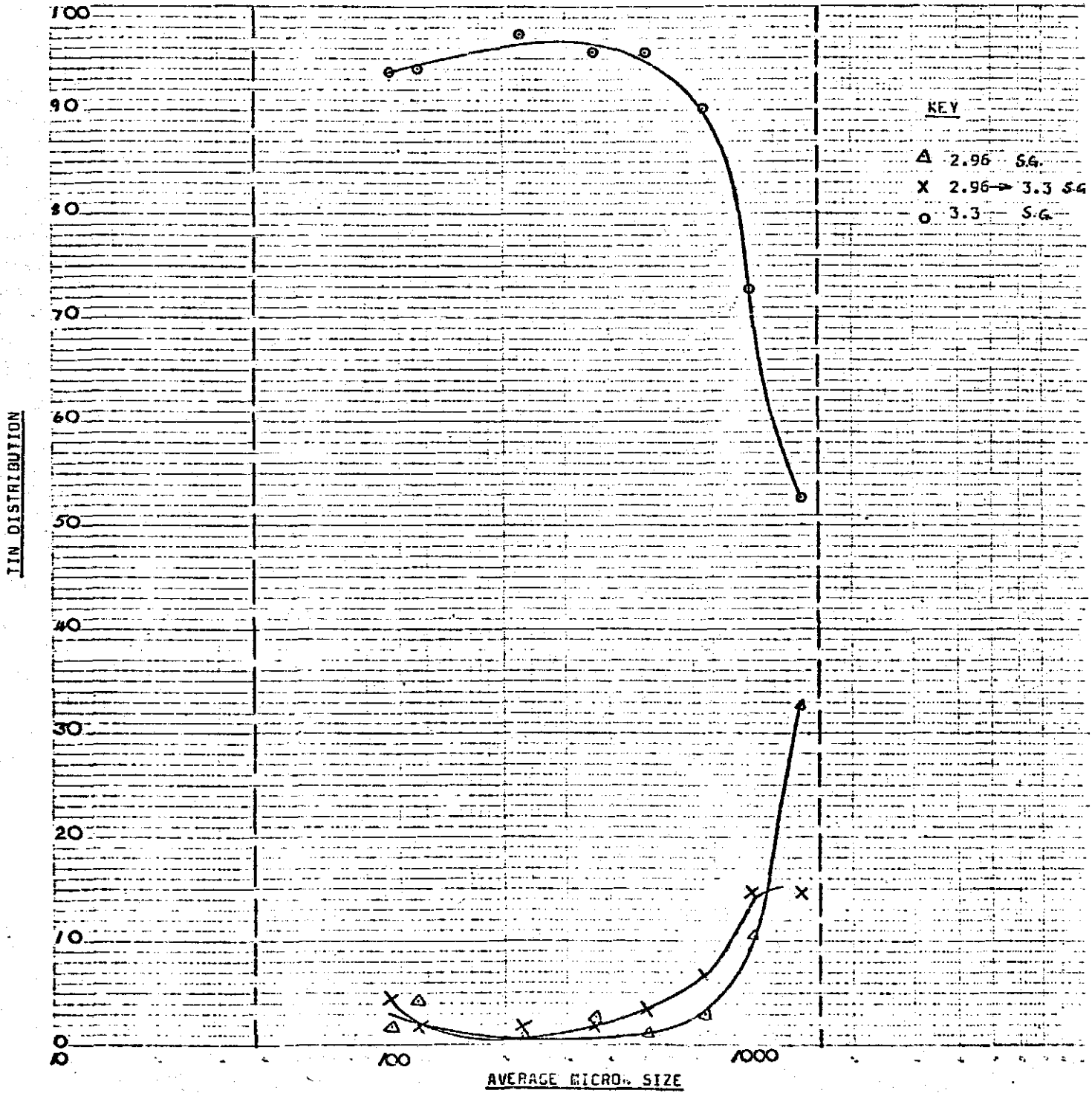
1. At the next metallurgical meeting the results in this report will be discussed further and a decisive plan of action be decided regarding laboratory gravity separation testwork.
2. Further grinding testwork be carried out on a coarse floats product to assess liberation of composite cassiterite.
3. Further heavy liquid separations be performed to determine more fully the deportment of silver and associated sulphides.

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APPENDIX A.

FIGURE A.1.

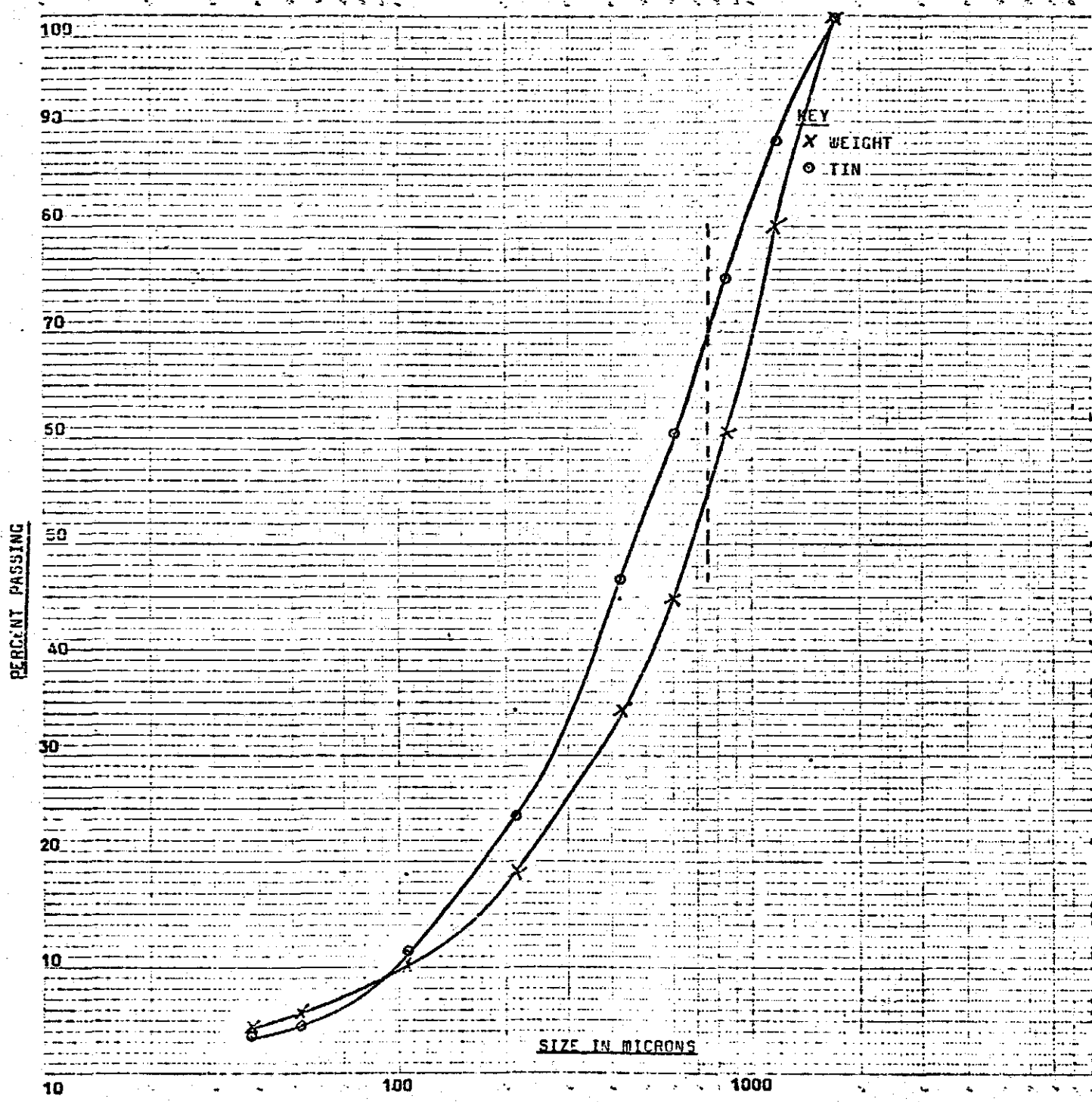


5 cm

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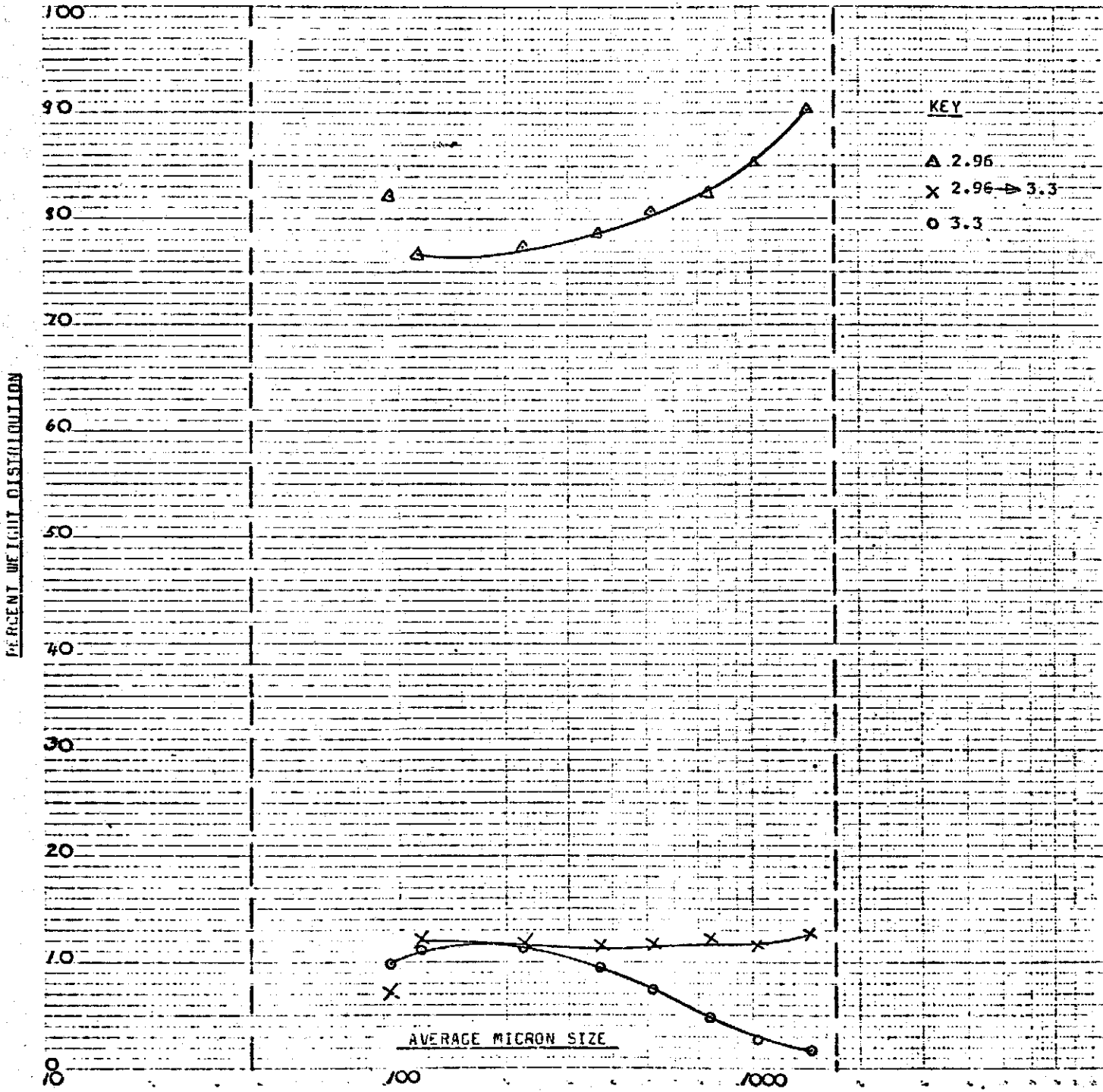
212060

FIGURE: A.2.



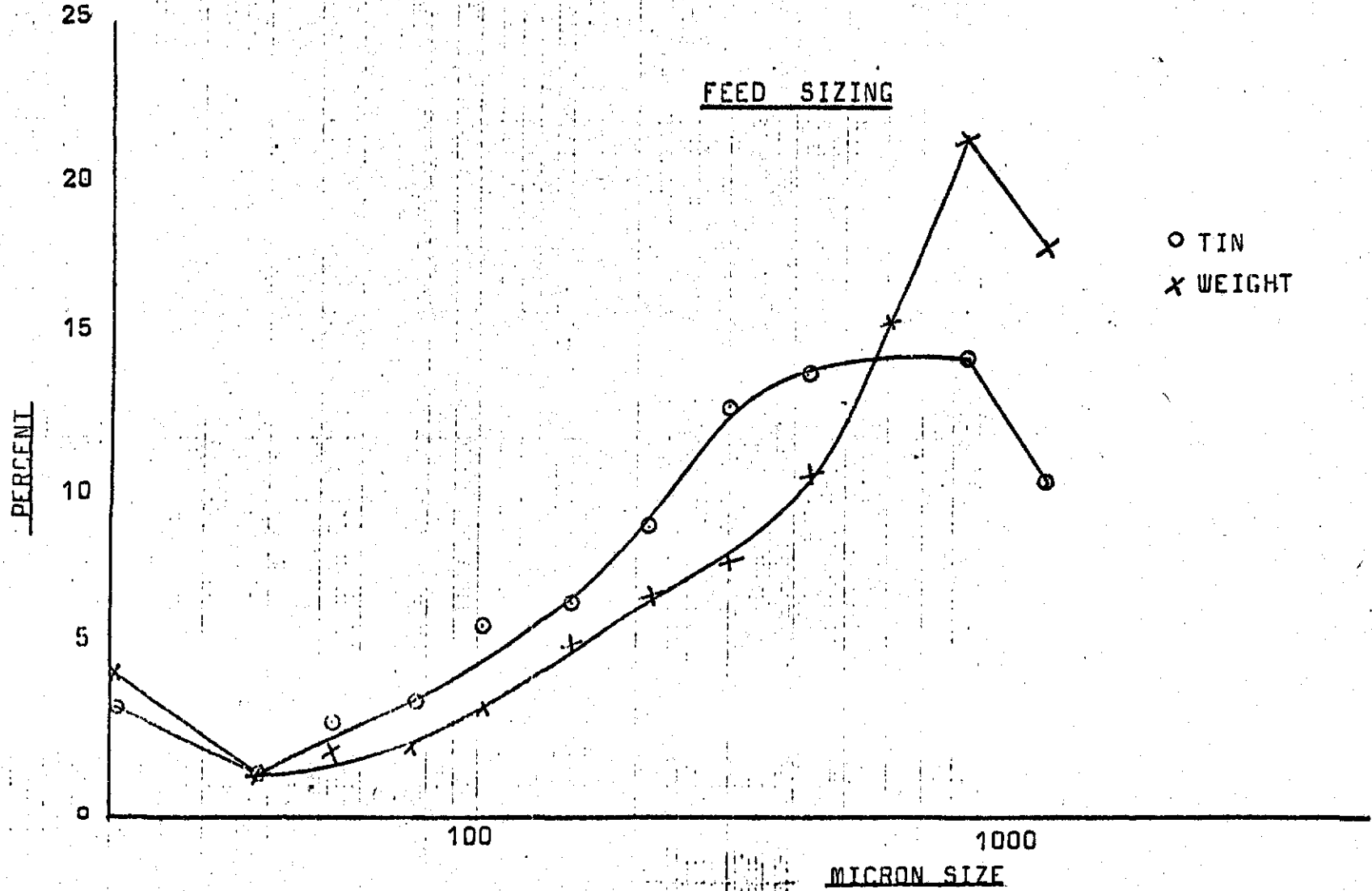
5 cm

FIGURE A.3.



5 cm

FIGURE: A.4.



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MINERALOGICAL APPRAISAL

Central Mineralogical Services Pty. Ltd.



231 Mogill Road
Moylands, S.A. 5069
Telephone 42 5659

11th March 1978

Mr. R.H. Goodman,
Mill Superintendent,
Renison Limited,
Post Office Box 20,
ZEEHAN, TASMANIA. 7469

REPORT CMS 78/2/23

YOUR REFERENCE: Letter, 21.2.78,
R.H. Goodman

DATE RECEIVED: 24th February 1978

SAMPLES: Nos. 1 - 10. 10 products
from H.L. tests on drill
core from Blue Tier (BT 42)

SUBMITTED BY: R.H. Goodman

WORK REQUESTED: Mineralogy

RENISON LIMITED	
File No.	5240
GEN. MGR.	
CONTROLLER	
MIN. CFT.	
MILL SFT.	
CHEMIST	
15 MAR 1978	
CH. ENGR.	
CH. PR. ENGR.	
INDUS. CFT.	
PERSON. CFT.	
SUPPLY CFT.	
CH. ACCT.	
INDUS. LR	

H.W. Fander

H.W. Fander, M.Sc.

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REPORT CHS 78/2/23

MINERALOGY OF BLUE TIER GRAVITY FRACTIONS

NOTES:

Ten samples of sized gravity fractions from the Blue Tier prospect were received for mineralogical analysis. Representative portions of each sample were briquetted and examined in reflected light. Complementary stereobinocular examination of unmounted grains and the briquettes were made mainly to assess the degree of (cassiterite-) locking as the "random surface" nature of polished sections tends to give relatively low values.

Silicate mineralogy at Blue Tier is relatively simple (refer report CHS 78/2/18) and virtually all phases are readily recognisable in reflected light. Consequently it was found that semi-quantitative mineralogical analyses could be carried out without the usually necessary preparation of thin sections or grain mounts. Where significant, visual corrections were made for sizing. Analyses are accompanied by specific comments relating to the sample particularly with respect to cassiterite.

Generally, and considering the nature of the Blue Tier mineralisation, the results are predictable with no particularly adverse features. Cassiterite is largely liberated in the middle sizing fraction and virtually completely liberated at -150 +33 μ range. Similarly at the +33 μ sizing there is substantial liberation of the accessory sulphides. Consequently there is a marked concentration of cassiterite into the sink (SS +3.3) fractions particularly at the intermediate and fine grinds.

There is a close correlation between Sn-assay values and observed cassiterite in the various fractions examined. In this context it should be pointed out that there is substantial evidence of mechanical entrainment of free cassiterite particles and other "heavy" phases in the -150 +33 μ float and middlings fractions. This appears to be reflected in the assay data and this problem should be further examined by heavy liquid separations on relatively smaller subsamples.

At this stage the distribution of silver (Ag) remains a little enigmatic. Minor trace amounts of native silver and ruby silver (?pyrargyrite) have been observed but the distribution appears highly irregular, and it is not known whether the few particles seen can be correlated with assay values. More meaningful data should be obtained from an Ag-rich concentrate.

D. Cowan, B.Sc.

REPORT CMS 78/2/23

MINERALOGICAL DATA

A. +850µ size fraction

Sample 1 +850µ Float (SG <2.96)

Free and composite quartz and feldspar	50%
Quartz-feldspar-mica composites (+ topaz)	40%
Muscovite and sericite aggregates	5-10%
Free biotite	trace - 1%
Cassiterite	minor trace
Sulphides	trace
Fe-carbonate, fluorite	trace minor

Comments: Cassiterite occurs as rare particles in composite with quartz where it is always the subordinate constituent of the composite particle. Significantly, however, the few cassiterite grains observed are quite coarse with sizing in the 100 - 400µ range.

Fe-carbonate and mauve fluorite are minor accessory phases associated with muscovitised biotite and sericitised topaz respectively. Sericite aggregates are yellowish to pale or apple green (illite-hydromuscovite).

Sulphides occur as microscopic "inclusions" within the quartz-feldspar (+ mica) composites. Chalcopyrite is accompanied by subordinate partly altered (to chalcocite + digenite) bornite rare molybdenite flakes and locally ultrafine pyrite. Extremely rare microscopic particles of bismuth, partly replaced by bismuthinite are included in biotite flakes. Minor traces of sphalerite are present.

Sample 2 +850µ middlings (SG >2.96 <3.3)

Quartz-feldspar-biotite-topaz (+ cassiterite) composites	85-90%
Free biotite	10%
Free topaz (partly sericitised)	trace-1%
Muscovite aggregates (+ topaz, cassiterite)	1-2%
Quartz-cassiterite composites	trace (0.2-0.5%)
Fe-carbonate, fluorite	trace
Sulphides	trace

Comments: Cassiterite shows a relative concentration of 5-10x over Sample 1 and is entirely composite with approximately 50% in composite with quartz and 50% in composite with quartz-mica (+ topaz, feldspar) aggregates. Sizing is in the 100-450µ range with rare particles <100µ (minimum observed 45µ).

Sulphide assemblage very similar to Sample 1 but includes rare microscopic particles of cubanite within a spongy aggregate of sphalerite and partly altered bornite. Minor traces of arsenopyrite, bismuth-

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bismuthinite and extremely rare particles of wolfram occur within the "granitic" composites.

Fluorite and Fe-carbonate exhibit a slight relative concentration concomitant with the relatively more marked concentration of biotite and topaz.

Sample 3 +850µ Sink (SG >3.3)

Silicate composites (mainly topaz-mica + feldspar quartz cassiterite, sulphides)	75%
Free cassiterite	7.5-10%
Free topaz	10%
Free sulphides	0.5-1%
Free sulphide composites	2-3%
Fe-carbonate-fluorite	trace-minor

Comments: Cassiterite is conspicuous comprising approximately 10% of total sample with some 90-95 (vol)% of observed grains free and sized up to 1.3mm diameter. The remainder occur in composites (topaz-biotite) as 50-500µ diameter particles.

Molybdenite, chalcopyrite and bornite occur partly as discrete particles but these are subordinate to sulphide composites. Relatively minor amounts of sulphide occur locked within the silicate composites. Minor traces of bismuth occur partly interstitially to molybdenite flakes. No specific Ag-bearing phases were observed.

B. + 150µ Size Fraction

Sample 4 +150µ Float (SG <2.96)

Free quartz, feldspar and quartz-feldspar composites	50%
Quartz-feldspar-mica composites	30-35%
Muscovite and sericite aggregates	10-15%
Free biotite	3-5%
Sulphides	trace
Cassiterite	minor trace
Fe-carbonate, fluorite	minor trace

Comments: Cassiterite is very sparse with only rare 50-120µ diameter grains observed. These are entirely in composites with quartz, less commonly feldspar and rarely muscovite.

Accessory constituents are virtually identical with those of Sample 1 although no molybdenite was observed. Finer sizing is reflected largely in a marked increase of free quartz and feldspar.

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Sample 5 +150 μ Middlings (SG >2.96 <3.3)

Quartz and feldspar-mica-topaz (+ cassiterite sulphides)	composites 45-50%
Free biotite	30-35%
Topaz-muscovite-sericite composites	15-20%
Quartz-cassiterite composites	trace (<0.5%)
Fluorite, Fe-carbonate	trace

Comments: Cassiterite is sparse as 30-120 μ particles locked in topaz-bearing "granitic" particles less commonly as simple composites with quartz.

Sulphides are relatively sparse as microscopic (<50 μ) particles within the granitic composites. Chalcopyrite predominates with subordinate to minor partly altered bornite and trace amounts of pyrite bismuth and arsenopyrite (no molybdenite observed).

Sample 6 +150 μ Sink (SG >3.3)

Silicate composites (topaz + mica, quartz, cassiterite, sulphides)	15-20%
Free topaz	60-65%
Free biotite	trace
Free cassiterite	10-15%
Free sulphides and sulphide composites	2-3%
Fluorite, Fe-carbonate	trace-minor

Comments: Cassiterite largely (85-90 (Vol)%) liberated and occurs as generally angular (i.e. partly diminished) grains sized to 750 μ . The remainder is locked in composite with topaz and/or mica (biotite) or very rarely quartz. Locked particles are sized 50-350 μ (mean 150-200 μ).

Similarly sulphides are largely liberated with monomineralic particles slightly exceeding composites. The assemblage comprises chalcopyrite with subordinate bornite, sphalerite minor pyrrhotite and traces of molybdenite and arsenopyrite. Bornite is progressively replaced by chalcocite and digenite and minor traces of marcasite appear to have developed from pyrrhotite. Very minor traces of bismuth and wolframite are also present. Close examination revealed no specific Ag-bearing phase.

C. +35 μ Size FractionSample 7 +35 μ Float (SG <2.96)

Composite and free quartz, feldspar	70%
Muscovite and sericite flakes, aggregates	25-30%
Biotite flakes	2-3%
Cassiterite	trace
Sulphides	trace

Comments: Cassiterite is sparsely present. Significantly, however, the majority of the tin observed is present as rare free grains. These are

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sized 50-150 μ and are volumetrically more significant (perhaps 75-80% of total) than equally rare silicate locked cassiterite particles which are invariably sized <50 μ .

Similarly much of the sulphide in this sample is present as free particles of chalcopyrite with subordinate bornite.

Sample 8 +38 μ Middlings (SG >2.96 <3.3)

Limonite and carbonate-stained sericite aggregates (after topaz, feldspar, biotite)	70-75%
Free biotite	10-15%
Free carbonate	10%
Free topaz	2-3%
Cassiterite	trace-0.5%
Sulphides	trace-1%

Comments: Cassiterite is sparse but in common with sample 7 the majority (75-80 Vol.%) is present as free particles sized mainly in the 50-100 μ range (max.170 μ). There are also rare cassiterite-(minor) quartz composites which should have reported to the sinks. Relatively minor amounts of cassiterite appear as "normal" <50 μ locked particles.

Free cassiterite is accompanied by minor but significant amounts of free topaz, free sulphide particles occasional partly rusted grains of tramp iron and rare splintery grains of wolframite.

A few microscopic particles (5 μ to 25x40 μ) of native silver were seen as inclusions in an 85 μ diameter particle of quartz.

Sample 9 +38 μ Sink (SG >3.3)

Topaz	60-70%
Silicate composites	3-5%
Free sulphides	5-10%
Free sulphide composites	1-3%
Free cassiterite	10-15%
Free carbonate (+ biotite)	3-5%
Fluorite	trace
Wolframite	trace

Comments: Cassiterite virtually entirely liberated (95+Vol.%) as angular (diminuted) grains. Trace amounts occur composite with quartz and very minor traces (<<1% of total) occur as <25 μ diameter particles locked in sulphides (particularly chalcopyrite).

Wolframite is relatively abundant. Minor trace amounts of ruby silver occur as 50-150 μ diameter particles usually free but occasionally locked in fine muscovite. This phase is tentatively identified as pyrargyrite but, as is typical in fine mill products, has taken a very poor polish and is incompletely resolved optically.

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The sulphide assemblage comprises chalcopyrite with subordinate bornite (partly altered) pyrrhotite pyrite and minor trace amounts of molybdenite bismuth, sphalerite and arsenopyrite. Relatively frequent particles of partly rusted steel appear as a contaminant.

D. -38 μ Size Fraction

Sample 10 -38 μ Composite

Comments: This sample contains a high proportion of <10 μ particles (slimes) and is very poorly resolved under the microscope. Pale silicates (quartz, feldspar, topaz, muscovite, sericite) constitute around 90% of the sample the remainder comprising relatively minor amounts of biotite, carbonate, fluorite, cassiterite and sulphides. Recognisable cassiterite is sized typically <25 μ and frequently <15 μ .

Significantly there are rare particles of sulphide and cassiterite sized >38 μ diameter. The source of this contamination is unknown. These coarse particles although rare are volumetrically significant.

D. Cowan, B.Sc.

07 CHIEF Geologist

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RENISON LIMITED

RESEARCH DEPARTMENT

BLUE TIERS METALLURGICAL TESTWORK

PROGRESS REPORT NO. 2 - GRAVITY SEPARATION OF BT42

CONTENTS:

- 1. SUMMARY
- 2. INTRODUCTION
- 3. PROCEDURE
- 4. SUPERPANNING RESULTS
- 5. DISCUSSION OF RESULTS
- 6. RECOMMENDATIONS
- 7. APPENDIX

SUBMITTED BY:

R.O. DEVLIN,
ASSISTANT METALLURGIST.

DATE: 17TH JULY, 1978.

1. SUMMARY

Following heavy liquid tests on the mineralized zone of diamond drill hole BT42 (see Blue Tiers Progress Report No. 1) superpanning testwork was performed on the minus 600 micron material to produce a heavy mineral concentrate in sufficient quantity to assess tin deportment, sulphide deportment and produce samples for mineralogical tests.

Cassiterite recovery proved simple yielding an overall recovery of the - 600 micron material of 84% at a concentrate grade of 54% tin. A further 9.5% of the tin reported to middlings assaying 4.13%Sn.

The mineralogy report (Appendix A) shows no significant peculiarities from previous C.M.S. reports on Blue Tiers apart from a few fine details summarized in 5.2.

2. INTRODUCTION

Blue Tiers report No. 1 "Heavy Liquid Separation" illustrated the cassiterite liberation in the mineralized zone of diamond drill hole BT42. Further gravity separation testwork has been performed using the laboratory superpanner to concentrate heavy minerals into products suitable for assessing tin deportment and sulphide and silver mineralogy.

As the maximum size of separation on the superpanner would be approximately 600 microns testwork was performed on the overall minus 600 micron material. After rolls crushing to minus 1670 microns this represented 45% of the weight and 60% of the tin.

3. PROCEDURE

Three, one kilogram samples were rolls crushed to minus 1670 microns. To determine tin deportments one sample was split by wet screening into four fractions, +600, -600 + 300, -300 + 38 and -38 microns and standard superpanning assessments performed on the three minus 600 micron fractions. Two concentrates and a tail from each size range were produced and tin deportments are reported under superpanning results.

To determine a better understanding of silver and sulphide mineralization the two remaining kilogram samples were split by wet screening at +600, -600 + 300 and -300 + 38 microns. Superpannings were carried out on each of the -600 micron fractions to produce a concentrate and tail in duplicate in order that assays of products be available prior to a mineralogical appraisal by the consulting mineralogist.

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4. SUPERPANNING RESULTS.

Table 1 lists the assays of products sent to Wally Fander of C.M.S. for mineralogy work and Table 2 shows tin deportments in the sample.

TABLE: 1.

SIZE	PRODUCT	PPM Ag	% Cu	% Zn	%Mo
-600 + 300	CONCENTRATE	80	0.79	0.106	0.050
	TAIL	98	0.82	0.285	0.122
-300 + 150	CONCENTRATE	126	0.99	0.210	0.038
	TAIL	130	1.15	0.510	0.139
-150 + 38	CONCENTRATE	264	2.80	0.440	0.040
	TAIL	182	1.66	0.820	0.052

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TABLE: 2

SIZE	% WT	% Sn	DISTRIBUTION
-600 + 300	52.71	0.742	50.06
-300 + 38	38.63	0.915	45.22
- 38	8.66	0.424	4.72
TOTAL	100.00	0.781	100.00

-600 + 300 microns

PRODUCT	% WT	% Sn	DISTRIBUTION
CONCENTRATE 1	1.06	54.7	78.15
CONCENTRATE 2	1.65	5.7	12.68
TAIL	97.29	0.07	9.17
TOTAL	100.00	0.742	100.00

-300 + 38 microns

PRODUCT	% WT	% Sn	DISTRIBUTION
CONCENTRATE 1	1.31	62.9	90.04
CONCENTRATE 2	1.39	4.05	6.15
TAIL	97.30	0.04	3.81
TOTAL	100.00	0.915	100.00

- 38 microns

PRODUCT	% WT	% Sn	DISTRIBUTION
CONCENTRATE 1	1.71	20.3	81.90
CONCENTRATE 2	5.41	0.56	7.15
TAIL	92.88	0.05	10.95
TOTAL	100.00	0.424	100.00

COMBINED -600 microns

PRODUCT	% WT	% Sn	DISTRIBUTION
CONCENTRATE 1	1.20	54.78	83.68
CONCENTRATE 2	1.81	4.13	9.52
TAIL	96.99	0.055	6.80
TOTAL	100.00	0.785	100.00

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5. DISCUSSIONS OF RESULTS.

5.1. Superpanning.

Table 2 illustrates the simplicity of recovering cassiterite by gravity methods in this sample. Owing to the relatively large weight of tail the sample had to be scavenged several times to reduce tin entrainment. Some errors may have been encountered assaying the tailing fraction for tin owing to the low tin concentration. Of the total minus 600 fraction only 4.72% of the tin was in the minus 38 micron size and of this, 11% reported to tailings. Entrainment and the presence of slimes may have been the major mechanisms of loss.

5.2. Mineralogy.

From the mineralogical report the following facts emerged.

1. There were no significant peculiarities in the samples when compared to other C.M.S. reports on the Blue Tiers mineralogy.
2. Superpanning concentrates consist largely of cassiterite with subordinate proportions of topaz, wolframite and sulphides and trace amounts of fluorite.
3. Liberation of cassiterite is essentially complete in the -600 + 300 micron fraction.
4. The -600 + 300 micron tailing contains trace amounts of cassiterite as particles less than 100 microns diameter in composite with the lighter silicates.
5. The finer tailings products show evidence of mechanical entrainment of free cassiterite, topaz, wolframite and sulphide particles.
6. Significantly, cassiterite-sulphide intergrowths are extremely rare even in the -600 + 300 micron fractions.
7. The total sulphide assemblage is rather complex but comprises mainly chalcopyrite pyrrhotite, bornite and copper sulphides with trace to accessory amounts of bismuth, bismuthinite, sphalerite, pyrite, arsenopyrite and molybdenite. Individual fractions may contain traces of galena, cubanite, Ag-sulphosalt and Ag-sulphide and tetrahedrite.
8. No stannite was observed.
9. Silver is present in trace amounts as particles of PROUSITE, (Ag₃AsS₃), ACANTHITE(Ag₂S), in a solid solution in Bismuthinite, and as a sulphosalt.

6. RECOMMENDATIONS.

It is recommended that gravity separation tests be performed on the +600 micron material of several drill holes using the Launceston Department of Mines laboratory Jig.

Central Mineralogical Services Pty. Ltd.

231 Mogill Road
Meylands, S.A. 5069
Telephone 42 5659

1st June 1978

Mr. B.R. Spiers,
Acting Mill Superintendent,
Renison Limited,
Post Office Box 20,
ZEEHAN. TASMANIA. 7469

REPORT CMS 78/4/30

YOUR REFERENCE: ROD/cvb/5200
DATE RECEIVED: 21st April 1978
SAMPLES: 6 superpanned
products from Blue
Tier Lease
SUBMITTED BY: B.R. Spiers
WORK REQUESTED: Mineralogy

RENISON LIMITED	
File No.	5200
GEN. MGR.	<input checked="" type="checkbox"/>
CONTROLLER	<input type="checkbox"/>
MIN. SUPV.	<input type="checkbox"/>
Asst. Gen. Mgr.	<input checked="" type="checkbox"/>
CH. GEOL.	<input type="checkbox"/>
6 JUN 1978	
CH. ENGR.	<input type="checkbox"/>
CH. PR. ENGR.	<input type="checkbox"/>
INDUST. CH. ENGR.	<input type="checkbox"/>
PERSON. OFFIC.	<input type="checkbox"/>
LABOR. CH. ENGR.	<input type="checkbox"/>
CH. ACCT.	<input type="checkbox"/>
PAYMENT	<input type="checkbox"/>

H.W. Fander
H.W. Fander, M.Sc.

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At the request of B.R. Spiers six sized superpanner products were received for mineralogical examination. Representative portions of each sample were briquetted and examined in reflected light and under a stereobinocular microscope. A few grain mounts were also prepared to check the silicate mineralogy.

General Mineralogy

The Blue Tier mineralogy has been discussed in previous CMS reports and apart from a few finer details discussed below there are no significant peculiarities stemming from this investigation.

Superpanner concentrates consist largely of cassiterite with subordinate proportions of topaz, wolframite and sulphides and traces of fluorite. Significantly liberation of cassiterite is essentially complete in the -600 +300 μ fraction and this reflects the relatively coarse grained nature of Blue Tier tin mineralization. The -600 +300 μ superpanner tailing contains trace amounts of cassiterite as relatively fine particles (generally < 100 μ diameter) in composite with the lighter silicates.

Tailings comprise mainly quartz variably altered feldspar grains and mica flakes and aggregates. The -600 +300 μ tail is relatively clean with approximately 2-5% sulphides largely in composite with silicates. In contrast the -300 +150 μ and -150 +38 μ tailings show fairly marked evidence of mechanical entrainment of free cassiterite, topaz, wolframite, and sulphide particles.

Sulphide Mineralogy/Intergrowths

The total sulphide assemblage is rather complex but comprises mainly chalcopyrite, pyrrhotite, bornite and Cu-sulphides with trace to accessory amounts of bismuth, bismuthinite, sphalerite, pyrite, arsenopyrite and molybdenite. Individual fractions may contain traces of galena, cubanite, Ag-sulphosalt and Ag-sulphide and tetrahedrite. Stannite was not observed in any of the fractions examined.

Significantly, cassiterite-sulphide intergrowths are extremely rare even in the -600 +300 μ fractions.

Pyrite, pyrrhotite, and arsenopyrite occur typically as discrete particles and are rarely intergrown with each other or with any of the associated phases.

In contrast chalcopyrite is rarely discrete in any of the fractions. Intergrowths with Cu-sulphides (in part replacive, chalcocite,

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080 digenite, rare traces of covellite are typical. Bornite is similarly rarely discrete. The various Cu-Fe and Cu-sulphide intergrowths include most of the observed sphalerite and all of the rare microscopic tetrahedrite particles. Cubanite is seen only in composite with bornite and Cu-sulphides and may be secondary in origin.

Most of the covellite observed is in the low temperature "permanent blue" variety. This suggests the Cu-sulphides are supergene in origin. These intergrowths are developed on a fine scale with little observable tendency to liberation of the individual phases in the smaller size fractions.

Bismuth and bismuthinite are typically intergrown on a fine to microscopic scale. However, there is little tendency for these phases to form intergrowths with the other sulphides with the single exception of chalcopyrite.

Molybdenite flakes are often in part composite with quartz grains; no intergrowths with other sulphides were noted. Similarly the rare galena particles are virtually entirely discrete even in the -600 +300 μ fractions.

Silver Mineralogy

Initial investigations on Blue Tier drill core revealed extremely rare particles of a silver sulphosalt tentatively identified as proustite. Examination of the superpanner products, particularly the -150 +38 μ concentrate confirmed presence of this phase as rare discrete grains. Optically this phase is difficult to detect in this context, due to the presence of other phases with similarly low reflectivity and red internal reflections (e.g. sphalerite, cassiterite, wolframite).

Some five or six particles of proustite were observed in the briquetted -150 +38 μ concentrate. However close inspection of some of the other samples with relatively high silver assay values (e.g. -150 +38 μ tailing) revealed no detectable Ag-sulphosalt particles. Consequently limited electron probe work was carried out to further investigate the distribution of silver. The -150 +38 μ concentrate was used for this part of the investigation as it represented the highest silver assay.

Additional traces of silver were found as :

- (1) a single 60 μ diameter particle of acanthite
- (2) in solid solution in bismuthinite. Individual particles of bismuthinite show varying amounts of silver from the detection limit (approximately 1000 ppm) up to several percent. One grain was analysed quantitatively and found to contain approximately 8% Ag.

Several grains of bismuth were checked with negative results.

(3) in solid solution in a sulphosalt. This phase was detected only as a single microscopic particle (<10 μ diameter) and appears to be a highly non-stoichiometric tetrahedrite with substantial Fe and approximately 15% Ag in solid solution.

Problematically it would be extremely difficult to quantify the total proportions of silver occurring in these various phases, particularly in view of the generally low assay values, the variations in Ag content in bismuthinite and in that the Ag-bearing bismuthinite (and tetrahedrite) lacks diagnostic optical properties.

H.W. Fander, M.Sc.

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Chief Geologist
0852RENISON LIMITEDRESEARCH DEPARTMENTBLUE TIERS METALLURGICAL TESTWORKPROGRESS REPORT NO. 3 - LABORATORY TESTWORK ON BT 42, 44, 49, 51, 52CONTENTS:

1. SUMMARY
2. INTRODUCTION
3. GENERAL MINERALOGY
4. PROCEDURE
5. DISCUSSION AND RESULTS
6. GRAVITY SEPARATION
7. RECOMMENDATIONS
8. APPENDICES

SUBMITTED BY:

R.O. DEVLIN
PROJECT METALLURGIST

20th OCTOBER, 1978

1. SUMMARY

Testwork to date has mainly been involved with heavy liquid separations on composite samples of the mineralised area of each diamond drill hole. Heavy liquid separations have illustrated the variability of cassiterite grain size throughout the area with 10 percent tin loss to floats being reached at the coarsest size of 1050 microns for drill hole BT 42 and at the finest size of 85 microns for BT 49.

Mineralogical examinations have shown that 2.96 S.G. heavy liquid sink products consist largely of topaz (70%), biotite, limonite stained mica aggregates and an accessory amount of cassiterite being 70 - 80 percent liberated. Heavy liquid separations at 3.30 S.G. produced sink assays in the general area of 10 - 15 percent tin.

Some preliminary laboratory gravity separation has been performed. Superpanning of the -600 micron fraction of BT 42 yielded 84 percent recovery to a concentrate grade of 54 percent tin. Samples of BT 42, 51, and 52 were combined, split at three sizes and tested on a small laboratory jig to give an overall 37 percent recovery to a 6.16 percent tin concentrate. A further 23.6 percent of the tin was left on the jig bed, assaying 1.51 percent tin. Higher jig recoveries should be achieved with greater operator familiarity.

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2.

INTRODUCTION

Metallurgical testwork has been performed on composite core intersections from diamond drill holes BT 42, 44, 49, 51, and 52. Heavy liquid testwork has shown cassiterite and weight deportments and illustrated the variability of cassiterite grain size in the ore.

Mineralogical examinations were carried out by C.M.S. on products from heavy liquid separations to determine cassiterite association, liberation and sulphide mineralogy and intergrowths.

Preliminary laboratory gravity separations have been performed using the superpanner and laboratory jig.

3.

GENERAL MINERALOGY

Mineralogical examinations have shown that the liberation size of cassiterite is quite variable between drill holes but cassiterite reporting to heavy liquid sinks is generally in excess of 70 percent liberated.

The main constituents of heavy liquid sinks are topaz, biotite, limonite stained mica aggregates and a small amount of cassiterite and sulphides.

Sulphides are present in trace amounts only and do not appear to be in composite with cassiterite.

Cassiterite reporting to heavy liquid floats are generally in composite with the lighter silicates.

4.

PROCEDURE

Each composite sample was rolls crushed to 100 percent passing 1670 microns, screened on a $\sqrt{2}$ series and tin analysis performed. Heavy liquid tests were performed using tetrabromoethane at specific gravity 2.96 and Methyl Iodide at specific gravity 3.3.

Overall heavy liquid results were calculated from the sized separations and are reported in Appendix A.

Tin and weight deportements were calculated from the assay of each size and are reported in Appendices B - F.

5. DISCUSSION AND RESULTS

Heavy liquid test results are reported graphically in Appendices B - F and tabulated in Appendix A. Each drill hole composite and relevant comments are reported below.

Heavy liquid separations and preliminary jig testwork have highlighted problems obtaining concentrate grade due to the large deportment of topaz and biotite to concentrate. This problem will be investigated further when all heavy liquid tests are complete and laboratory jig testwork is underway.

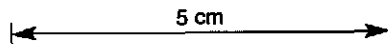


Figure 1 represents the micron size where 10, 20 and 30 percent tin loss occurred.

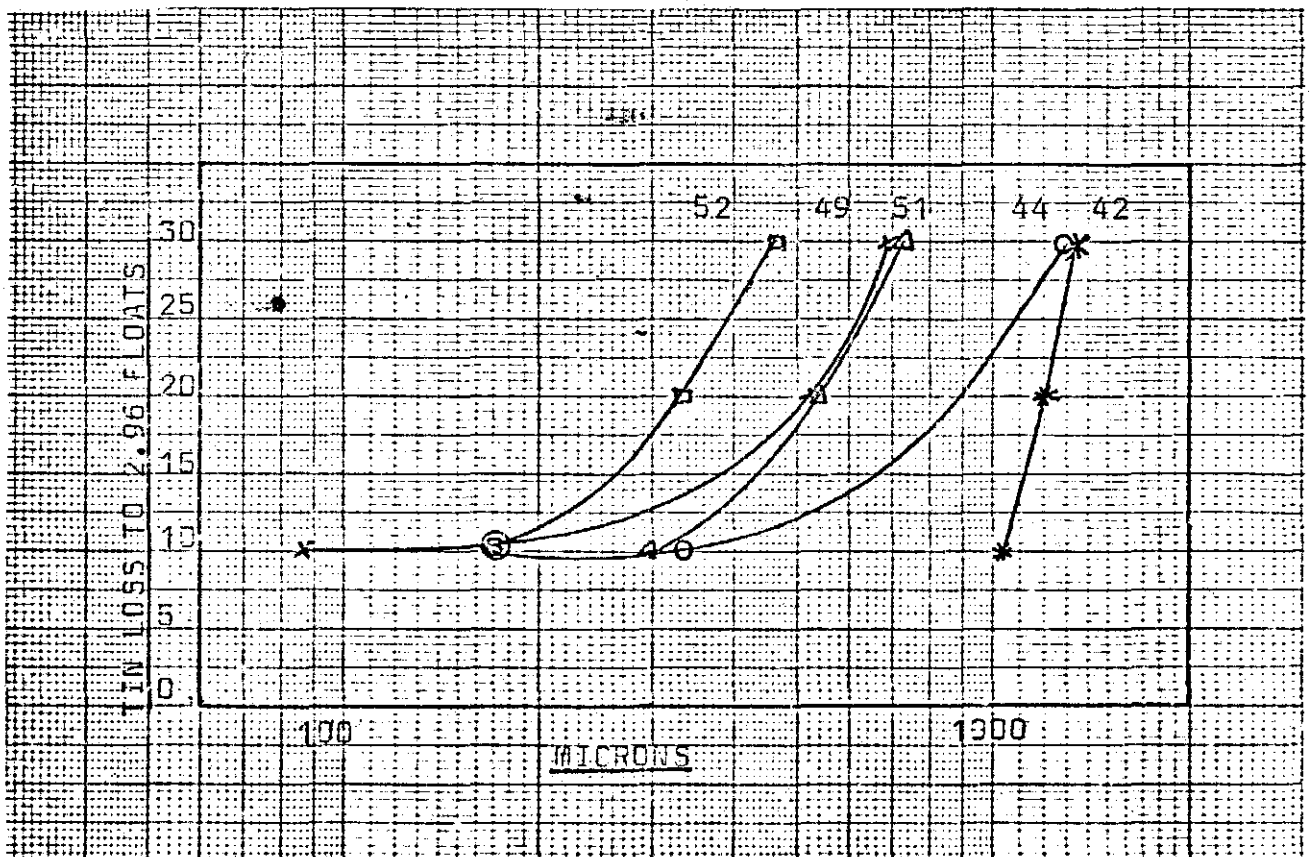


Figure 1 : Tin Loss to Micron Size for 2.96 S.G. Floats

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5.1 BT 42

Of the five holes tested, BT 42 appeared to contain the coarsest cassiterite almost totally liberated at 600 microns with 10 percent tin loss to floats occurring at 1050 microns. Superpanning test-work on the minus 600 micron material yielded 84 percent recovery to a concentrate grade of 54 percent tin. A further 9.5 percent of the tin reported to middlings assaying 4.13 percent tin.

The head assay of 0.57 percent tin of this composite is almost twice the assay of the other holes tested and, because the cassiterite is liberated at coarser than 1000 microns, high recoveries should be achieved in Jig or Reichert Cone circuits.

Metallurgical Head Grade	0.57% Sn
Geological Head Grade	0.47% Sn Re-assayed as 0.51% Sn <i>al</i>

5.2 BT 44

Microscopic examination revealed that cassiterite up to 300 microns in the 2.96 S.G. sinks product was 90 - 95 percent liberated, dropping off to 70 - 80 percent at 850 microns. In heavy liquid tests there was a 10 percent tin loss to 2.96 S.G. at 170 microns. Twenty percent tin loss was reached at 900 microns, which would be the general size range for Jig or Reichert Cone applications.

Metallurgical Head Grade	0.20% Sn
Geological Head Grade	0.25% Sn

5.3 BT 49

Microscopic examination revealed that this hole was sulphide deficient with a virtual absence of copper and Cu - Fe sulphides, sphalerite, tetrahedrite, molybdenite, bismuth and bismuthinite.

Ten percent cassiterite loss to 2.96 S.G. floats was reached at 85 microns, illustrating the presence of fine cassiterite, however, 20 percent tin loss was not achieved till 530 microns which should be a recoverable size for Jigs or Reichert Cones.

Metallurgical Head Grade 0.25% Sn \nearrow 0.21% Sn
 Geological Head Grade 0.21% Sn \nwarrow 0.25% Sn *al*

5.4 BT 51

Ten percent tin loss to 2.96 S.G. floats occurred at 295 microns, with 20 percent tin loss and 95.5 percent weight loss being reached at 540 microns.

A 3.3 S.G. sinks concentrate grade of 15.5 percent tin was achieved which was the highest overall grade for all samples tested.

Reasonable recoveries should be obtained at 295 microns on Jigs or Reichert Cones.

Metallurgical Head Grade 0.29% Sn
 Geological Head Grade 0.35% Sn

5.5 BT 52

Size by size recoveries of cassiterite to heavy liquid 2.96 S.G. sink products illustrate that the cassiterite in this samples is finer overall than the four other holes tested. Ten percent tin loss occurred at 170 microns and 30 percent tin loss at 460 microns.

The minus 38 micron material contained 5.77 percent of the total weight and 9.76 percent of the total tin which was the highest amount of fine tin in all the samples so far tested.

Metallurgical Head Grade 0.29% Sn
 Geological Head Grade 0.31% Sn

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6. GRAVITY SEPARATION

6.1 Superpanning

Tests have only been completed on the minus 600 micron fraction of BT 42. As almost all of the cassiterite at this size is liberated, recovery was a rather simple procedure, with a recovery of 84 percent at a grade 54 percent tin being achieved. A further 9.5 percent of the tin reported to middlings assaying 4.13 percent tin.

6.2 Jigging

Jigging testwork was performed at the Launceston Department of Mines on a small size IM Denver laboratory jig. As approximately one kilogram samples were required for testwork, samples from holes BT 42, 51 and 52 were combined and screened at -1670/+1000, -1000/+600, and -600/+53 microns for testing.

Using steel shot as ragging, a concentrate, tail and bed sample was taken for each size range with assays reported in tables 2 - 5.

Concentrate grades were much lower than expected, possibly due to operator unfamiliarity with the machine. The bed sample proved of interest as the tin and silver components were quite high, illustrating a build up of these minerals to this product.

Table 1 - Assay of Jig Bed Products

Product	% Sn	PPM Ag	% Zn	% Cu	% Mo	% Bi	Sol. Sn
+1000 Bed	1.42	180	0.043	0.125	0.021	0.025	0.009
+600 Bed	0.42	70	0.032	0.008	0.009	0.008	<0.005
+53 Bed	3.80	90	0.041	0.019	0.016	0.019	0.016

Table 2 - Jigging Results of +1000 Micron Fraction

Product	% Wt	% Sn	Distribution
Concentrate	0.32	15.1	15.5
Bed	6.79	1.42	30.9
Tail	92.89	0.18	53.6
Head	100.00	0.31	100.0

Table 3 - Jigging Results of -1000/+600 Micron Fraction

Product	% Wt	% Sn	Distribution
Concentrate	3.25	7.60	61.6
Bed	9.74	0.42	10.2
Tail	87.01	0.13	28.2
Head	100.00	0.40	100.0

Table 4 - Jigging Results of -600/+53 Micron Fraction

Product	% Wt	% Sn	Distribution
Concentrate	3.36	6.16	37.2
Bed	2.83	1.51	23.6
Tail	93.81	0.16	39.2
Head	100.00	0.37	100.0

Table 5 - Overall Jigging Results

Product	% Wt	% Sn	Distribution
Concentrate	2.26	6.16	37.2
Bed	5.84	1.51	23.6
Tail	91.90	0.16	39.2
Head	100.00	0.37	100.0

Table 6 - Heavy Liquid Separation of -600/+53 Micron Jig Tailings

Size	% Wt	% Sn	Distribution	Sn Recovery to Sinks
+300/-600	49.1	0.075	17.8	28.1
+150/-300	14.8	0.11	7.9	75.6
+106/-150	16.2	0.26	20.4	76.9
+53/-106	19.9	0.56	53.9	89.1
Head	100.0	0.21	100.0	74.7

Heavy liquid testwork was performed on the -600/+53 micron jig tail (table 6). Results indicate that poor jig recoveries were achieved at sizes finer than 300 microns.

7. RECOMMENDATIONS

As testwork is required on diamond drill holes BT 64, 65, 66 and 68, it is recommended that no further jigging or superpanning testwork be performed until heavy liquid tests are completed on all the above holes.

APPENDIX AHEAVY LIQUID SEPARATION RESULTS

The size by size recovery to a 2.96 S.G. separation are reported graphically in Appendices B - F. Overall heavy liquid results are reported in tables A.1 to A.9.

Table A.1 - BT 42 Heavy Liquid Results

Product	% Weight	% Tin	Distribution
Floats	80.14	0.04	5.66
Middlings	10.03	0.33	5.84
Sinks	5.62	8.53	84.57
Slimes	4.21	0.53	3.93
Total	100.00	0.57	100.00

Table A.2 - BT 44 Heavy Liquid Results

Product	% Weight	% Tin	Distribution
Floats	89.94	0.045	20.53
Middlings	4.59	0.38	8.85
Sinks	2.17	6.02	66.27
Slimes	3.30	0.26	4.35
Total	100.00	0.20	100.00

Table A.3 - BT 49 Heavy Liquid Results

Product	% Weight	% Tin	Distribution
Floats	93.77	0.047	21.13
Sinks	1.24	11.78	70.02
Slimes	4.99	0.37	8.85
Total	100.00	0.21	100.00

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Heavy liquid tests were performed at 3.30 but insufficient weight reported to sinks for assay.

Table A.4 - BT 51 Heavy Liquid Results

Product	% Weight	% Tin	Distribution
Floats	89.06	0.047	14.24
Middlings	4.31	1.42	20.82
Sinks	1.07	15.5	56.42
Slimes	5.56	0.45	8.52
Total	100.00	0.29	100.00

Table A.5 - BT 52 Heavy Liquid Results

Product	% Weight	% Tin	Distribution
Floats	90.30	0.10	33.22
Middlings	2.90	1.31	3.34
Sinks	1.03	13.24	53.68
Slimes	5.77	0.46	9.76
Total	100.00	0.29	100.00

Heavy liquid separations using Methyl Iodide gave the following sink departments.

Table A.6 - BT 42 3.30 S.G. Sink Departments

Size	% Wt	% Sn	Recovery	Head % Sn	Upgrading Ratio
+1180	1.89	7.69	52.7	0.28	27.5
+850	2.82	8.74	74.8	0.33	26.5
+600	4.94	9.95	90.2	0.54	18.4
+425	7.37	9.40	95.3	0.73	12.9
+300	9.40	8.90	95.6	0.88	10.1
+150	11.10	7.91	97.5	0.90	8.8
+38	10.95	7.46	93.7	0.87	8.6
Head	5.62	8.53	84.6	0.57	15.0

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Table A.7 - BT 44 3.30 S.G. Sink Departments

Size	% Wt	% Sn	Recovery	Head % Sn	Upgrading Ratio
+1180	1.05	6.36	45.0	0.15	42.4
+600	2.18	6.41	76.4	0.18	35.6
+300	3.67	5.84	85.3	0.25	23.4
+150	4.63	5.64	87.3	0.30	18.8
+75	4.29	5.84	82.6	0.30	19.5
+38	3.51	8.20	85.6	0.34	24.1
Head	2.34	6.11	63.4	0.23	26.6

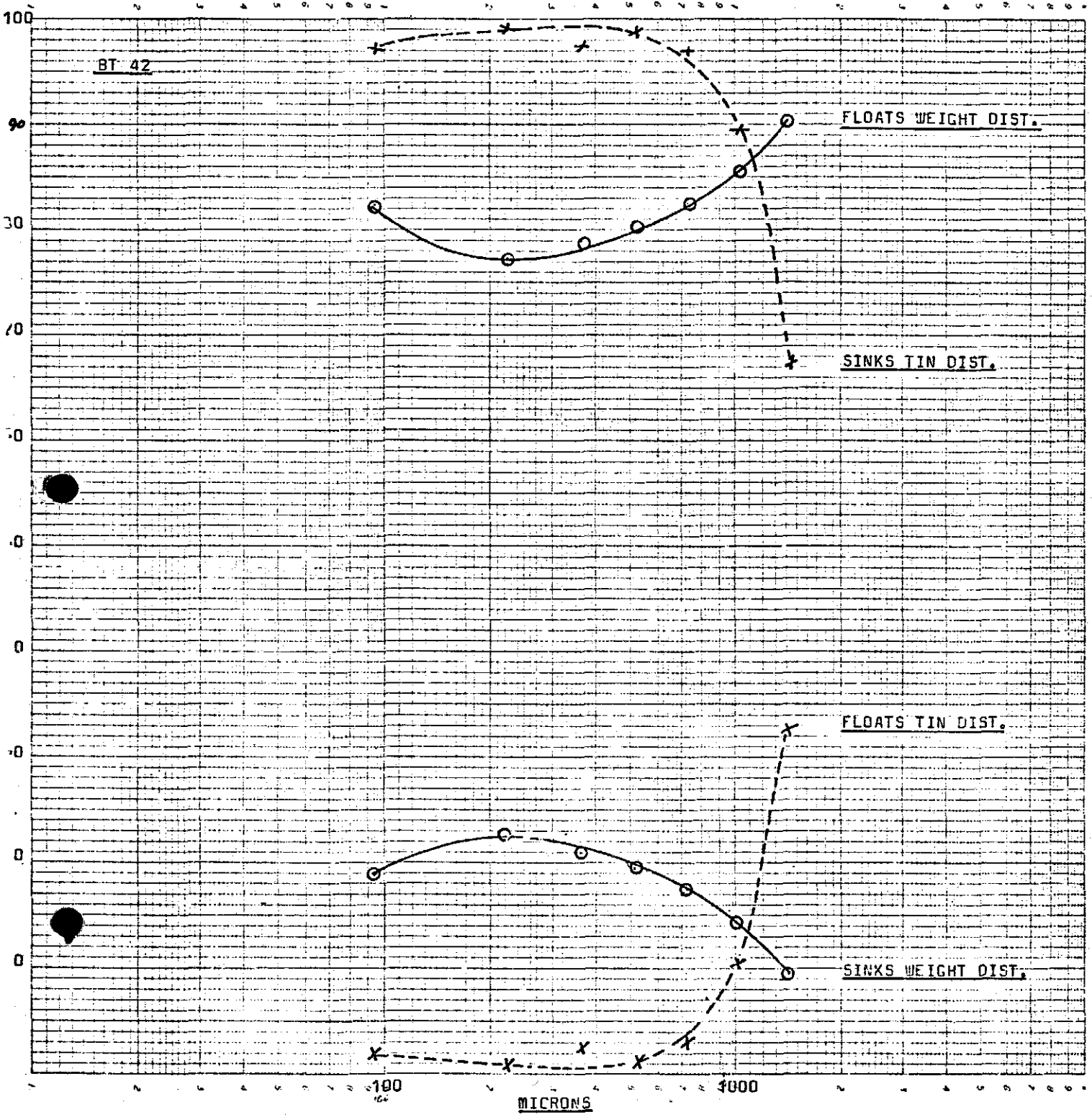
Table A.8 - BT 51 3.30 S.G. Sink Departments

Size	% Wt	% Sn	Recovery	Head % Sn	Upgrading Ratio
+1180	0.25	37.7	38.4	0.15	251.3
+600	0.58	11.9	38.7	0.18	66.9
+300	1.50	10.6	70.6	0.23	47.1
+150	2.53	10.6	88.2	0.31	34.8
+75	2.12	18.4	92.1	0.42	43.5
+38	0.77	33.0	48.6	0.52	63.3
Head	1.07	15.5	56.4	0.29	53.4

Table A.9 - BT 52 3.30 S.G. Sink Departments

Size	% Wt	% Sn	Recovery	Head % Sn	Upgrading Ratio
+1180	0.34	9.72	16.03	0.20	47.6
+600	0.68	8.68	30.4	0.20	44.5
+300	1.45	9.86	59.9	0.24	41.4
+150	1.90	12.60	80.3	0.30	42.3
+75	1.44	24.40	87.7	0.40	60.8
+38	0.41	53.50	45.8	0.48	111.2
Head	1.03	13.24	53.7	0.25	52.1

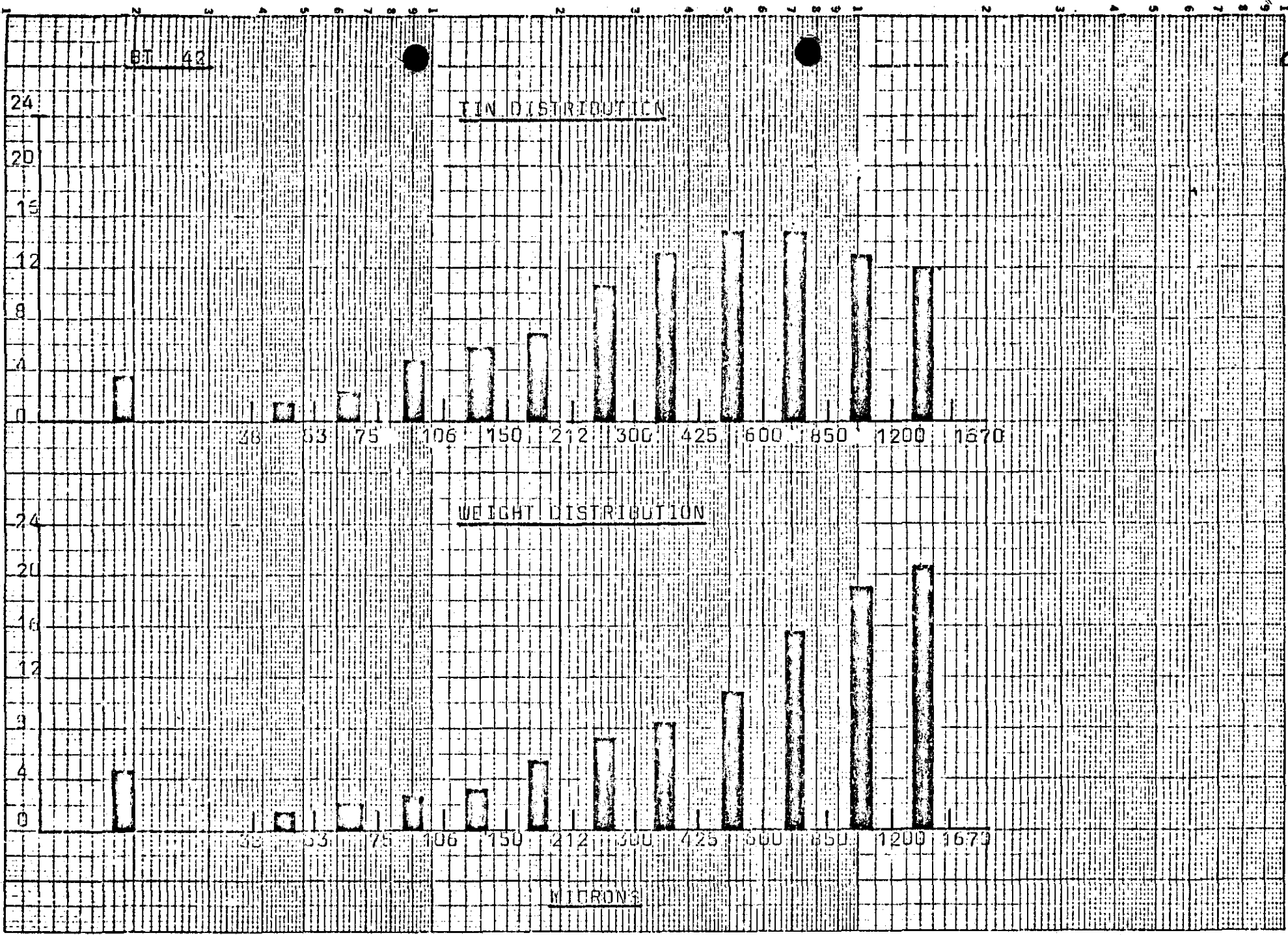
APPENDIX B: FIGURE 1.



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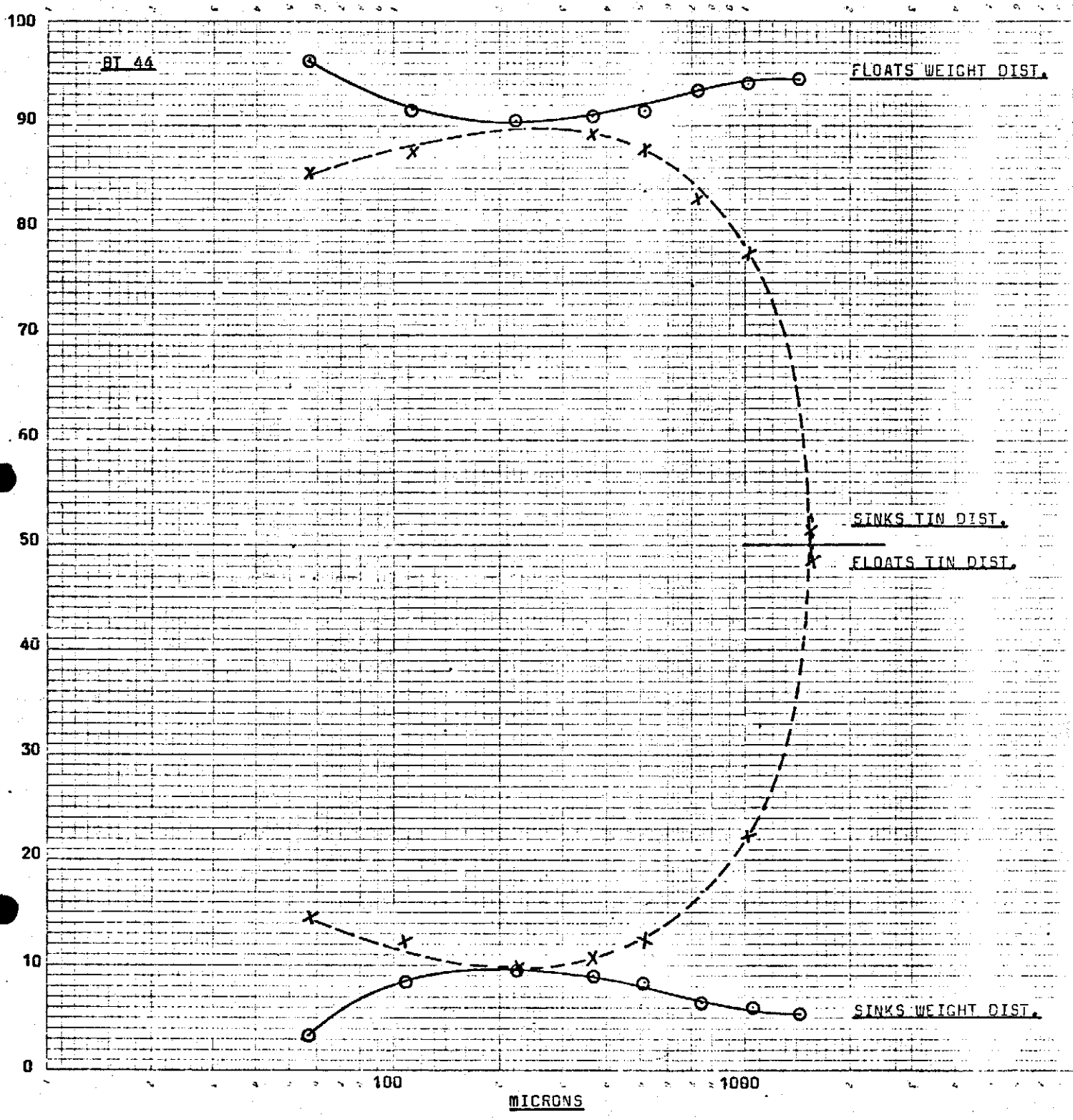


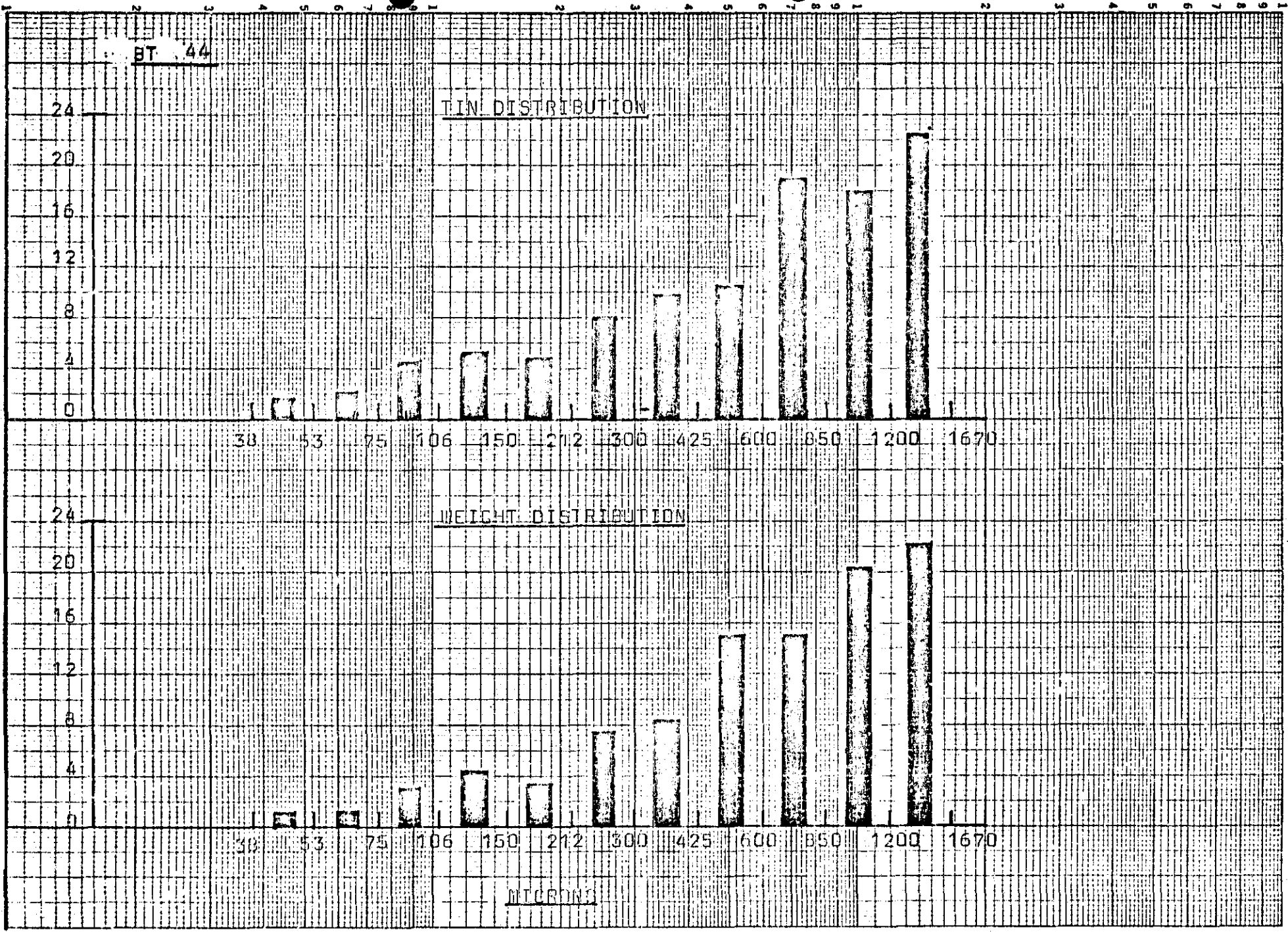
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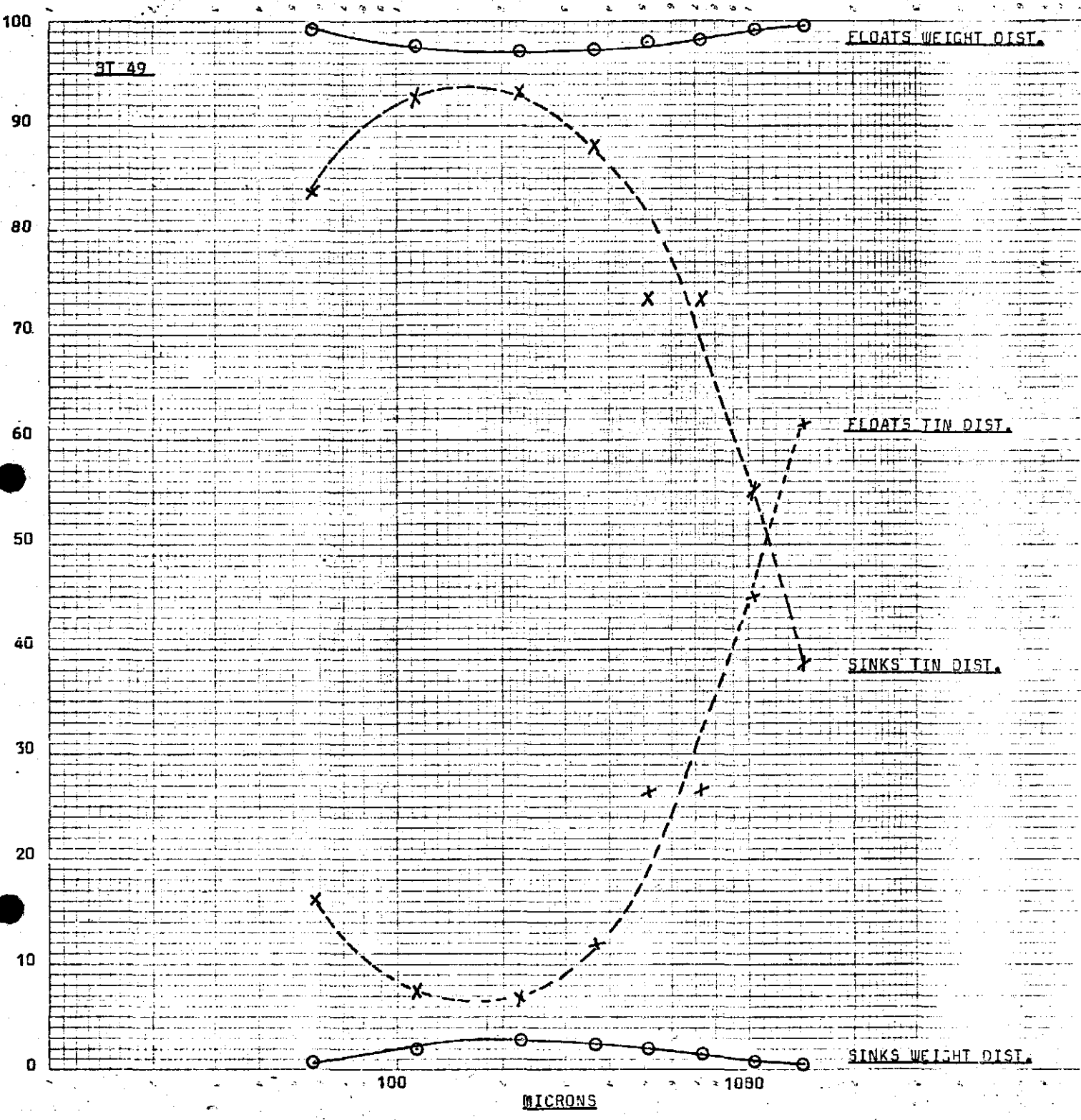
APPENDIX C, FIGURE 1,





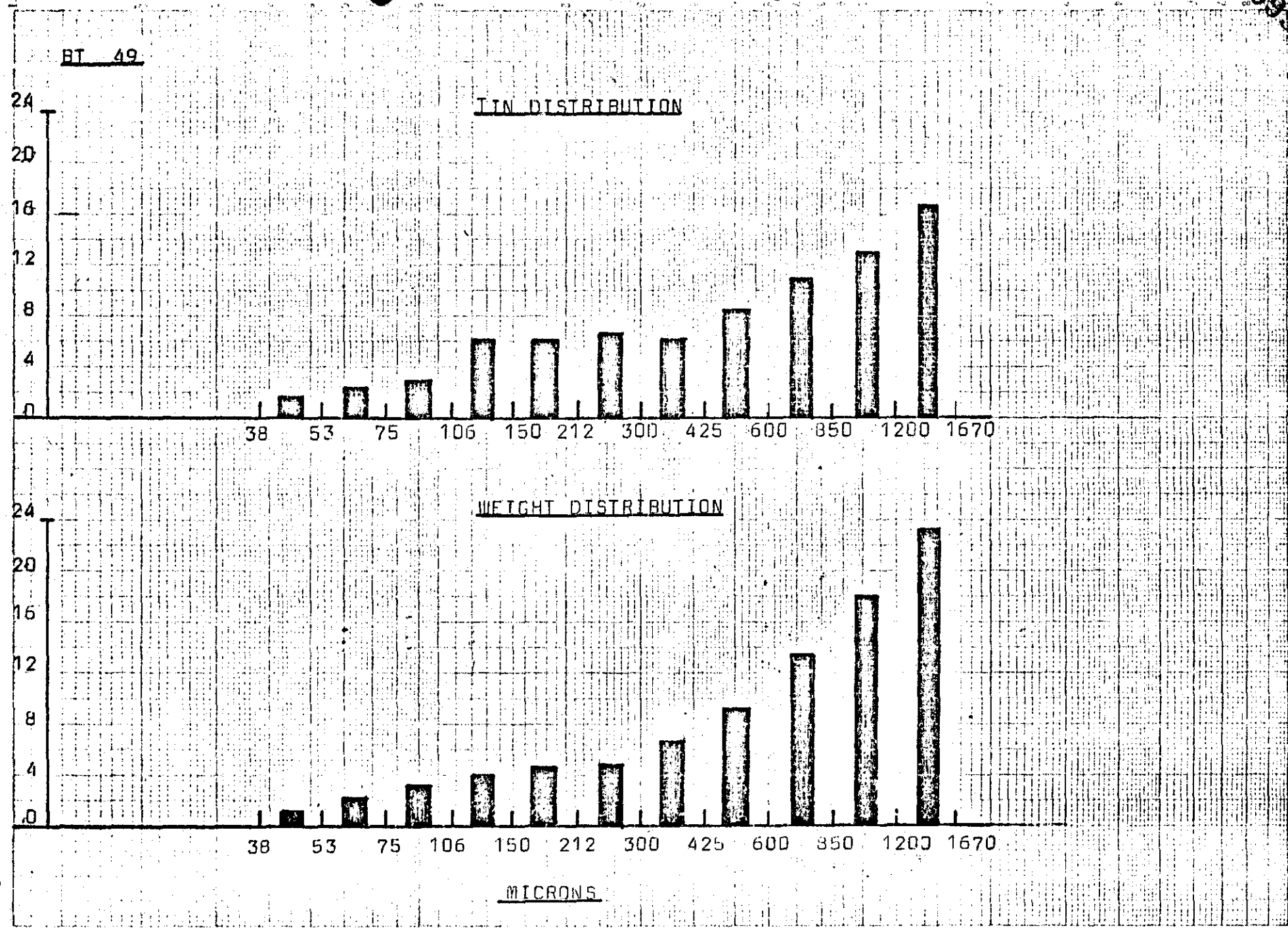
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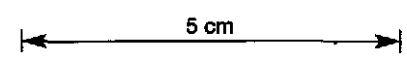
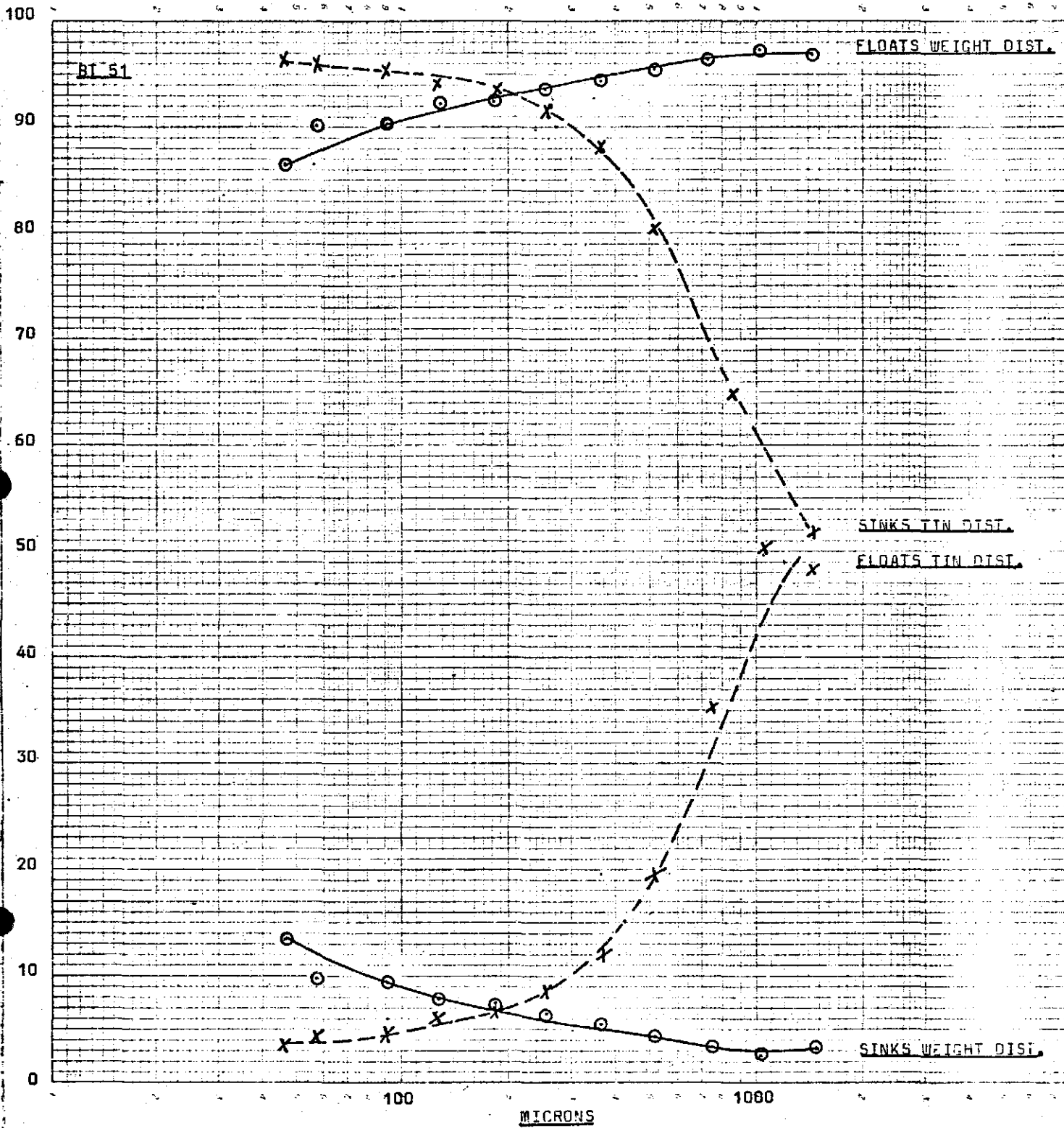


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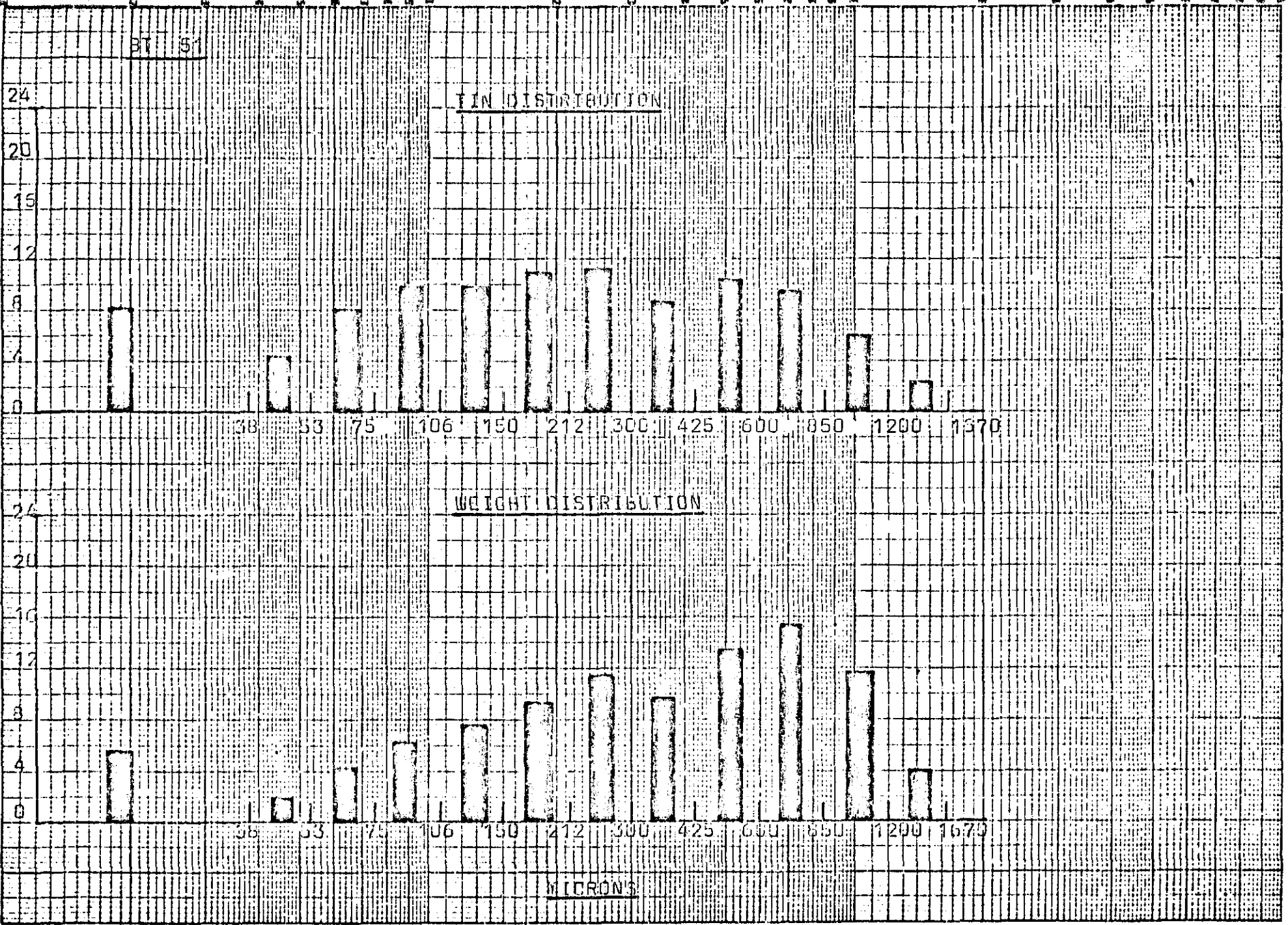
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BT 51

TIN DISTRIBUTION

WEIGHT DISTRIBUTION

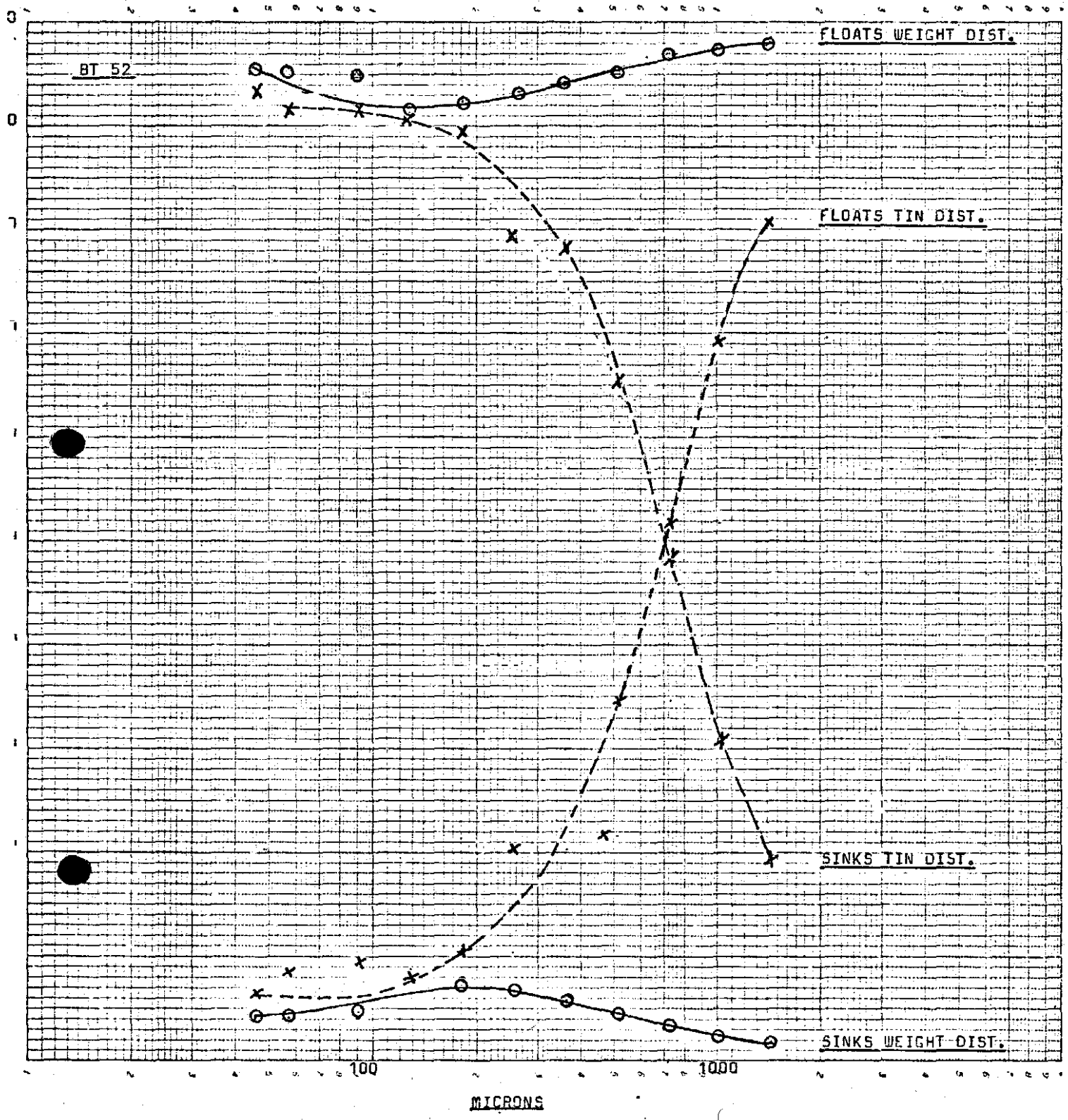
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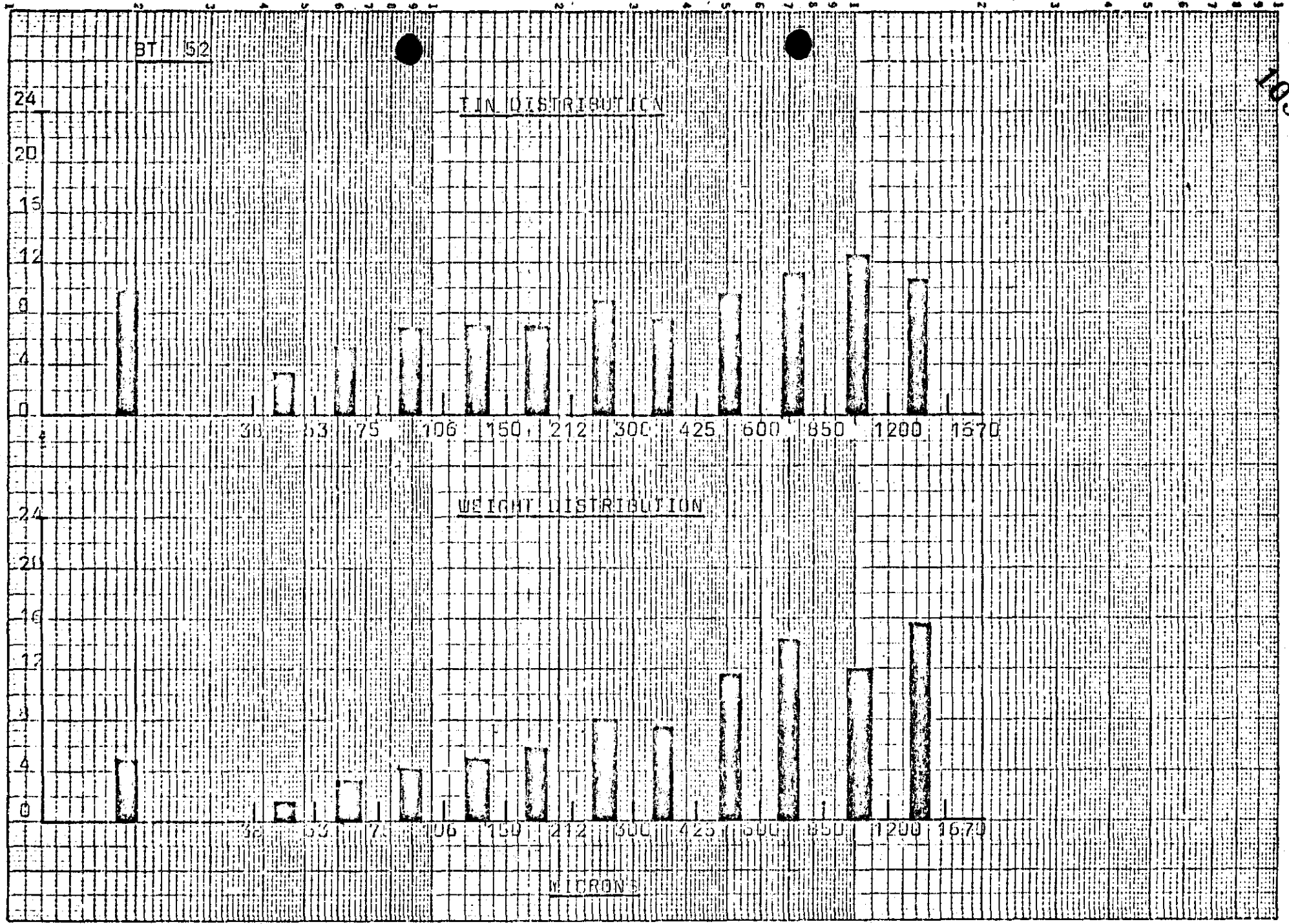


APPENDIX E, FIGURE 2.

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APPENDIX F. FIGURE 1,





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BT 52

FIN DISTRIBUTION

WEIGHT DISTRIBUTION

MICRONS

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TRACE ELEMENT GEOCHEMISTRY RESULTS

D.D.H. B.T. 42

Results as p.p.m. except where indicated.

Sample (m)	Li	% Na	% F	Ti	% Mn	% Fe	Rb	Sr	Sn	Ba
2.7	350	1.46	0.058	140	0.026	0.9	1100	15	90	80
5.7	330	1.42	0.067	200	0.025	1.0	1100	5	70	25
8.7	450	0.90	0.048	160	0.033	1.9	1100	<5	60	40
11.7	380	1.20	0.35	180	0.034	1.3	1000	15	100	40
14.7	290	1.48	0.75	160	0.029	1.0	1100	10	35	35
17.7	240	1.62	0.49	140	0.027	0.9	1100	15	20	50
20.7	230	1.64	0.026	200	0.025	1.3	1100	5	70	40
23.7	230	1.84	0.25	160	0.023	0.8	1100	10	35	50
26.7	340	1.57	0.13	160	0.040	1.0	1100	15	20	70
29.7	250	1.59	0.22	160	0.027	1.0	1100	15	5	35
32.7	280	1.80	0.17	160	0.027	0.8	1100	20	20	40
35.7	250	1.46	0.20	140	0.033	0.9	1100	15	25	45
38.7	480	1.16	0.53	140	0.045	1.4	1000	10	15	35
39.7	590	0.79	0.79	160	0.037	1.4	1100	5	30	<5
40.7	780	0.56	0.72	160	0.059	1.3	950	10	40	50
41.7	790	0.65	0.95	160	0.037	1.5	1000	10	35	50
42.7	750	0.97	0.71	140	0.023	1.2	850	10	25	35
43.7	360	1.08	0.66	160	0.045	1.5	850	10	40	30
44.7	370	1.17	0.47	140	0.030	1.1	950	5	180	20
45.7	190	1.15	0.20	200	0.034	1.3	1000	<5	60	35
46.7	45	0.57	0.009	160	0.050	1.0	200	10	70	70
47.7	70	1.33	0.024	140	0.210	3.1	1100	20	140	60
48.7	130	0.03	0.14	120	0.30	4.4	800	10	3300	60
49.7	85	0.03	0.56	140	0.16	2.4	950	<5	200	90
50.7	190			140	0.15	3.2	1100	40	800	60
51.7	90			160	0.20	5.2	1500	35	700	90
52.7	160			160	0.17	4.0	1200	15	1600	60
53.7	150			160	0.17	4.0	1200	25	200	80
54.7	270			160	0.34	7.0	1400	90	3000	100
55.7	270			220	0.29	7.0	1900	10	2000	100
56.7	330			180	0.11	2.9	1400	10	6200	80
57.7	340			180	0.78	7.5	1300	15	2000	90
58.7	80			160	0.12	3.1	1300	15	2400	90
59.7	110			160	0.11	2.8	1300	5	900	80
60.7	90			180	0.19	4.1	2000	10	1700	80
61.7	95			180	0.17	3.5	1800	35	2800	100
62.7	70			180	0.14	3.4	1700	25	5800	70
63.7	45			180	0.03	2.1	1100	15	1300	60
64.7	95			180	0.19	4.3	1800	30	700	80
65.7	160				0.12	3.2	1500	15	3800	45
66.7	180				0.14	3.2	1400	25	15900	45
67.7	220			180	0.12	3.3	1300	10	3900	60
68.7	160				0.15	2.7	1000	10	4500	50

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TRACE ELEMENT GEOCHEMISTRY RESULTS

D.D.H. B.T. 42

Results as p.p.m. except where indicated.

Sample (m)	Li	Na	F	Ti	% Mn	% Fe	Rb	Sr	Sn	Ba
69.7	180				0.21	3.7	1000	15	1700	25
70.7	280				0.70	6.5	950	45	1100	80
71.7	270			180	0.15	3.2	1400	20	1700	60
72.7	90				0.18	4.5	1500	<5	21600	40
73.7	490			200	0.13	3.2	1200	15	2500	60
74.7	420				0.15	3.2	1400	5	65700	
75.7	160				0.13	2.0	1400	5	10800	80
76.7	90			100	0.12	2.9	1100	5	500	140
77.7	80				0.14	3.3	1300	<5	300	160
78.7	140				0.13	2.1	1300	10	600	80
79.7	210			180	0.13	1.7	1100	5	200	45
80.7	180				0.11	1.4	1100	10	100	80
81.7	150				0.017	2.0	1000	10	200	60
82.7	100			180	0.27	4.1	1500	5	600	100
83.7	40				0.14	3.7			1100	
84.7	100				0.20	4.3			600	
85.7	220			220	0.23	4.2	1400	80	10100	90
86.7	80				0.22	3.7			6500	
87.7	110				0.20	3.9			2700	
88.7	130			180	0.15	3.3	1400	<5	1700	70
89.7	100				0.13	3.5			2000	
90.7	110				0.13	3.6			5200	
91.7	60			180	0.12	3.6	1400	<5	14600	40
92.7	70				0.12	3.5			7800	
93.7	250				0.12	3.3			3800	
94.7	300			200	0.15	4.5	1200	40	12300	35
95.7	280				0.10	3.0	1200	35	7900	70
96.7	280				0.15	3.3	1100	50	20200	15
97.7	50			200	0.09	2.2	900	15	4800	45
98.7	125				0.09	2.5	1000	15	2800	60
99.7	175				0.14	3.3	1500	5	24300	35
100.7	260			160	0.21	3.9	2000	<5	5900	35
101.7	495				0.14	3.5	1400	<5	11900	50
102.7	360				0.15	3.8	1500	<5	2100	100
103.7	450			260	0.15	4.2	1500	<5	7200	60
104.7	310				0.13	3.7	1100	10	5100	60
105.7	145				0.08	2.3	750	10	10200	45
106.7	260			220	0.25	4.1	1300	100	14400	60
107.7	460				0.12	3.3	1100	15	7700	50
108.7	380				0.17	4.2	1100	<5	6600	40
109.7	400			220	0.13	3.2	1200	<5	5800	45
110.7	200				0.13	3.2	1000	5	2600	50
111.7	110				0.18	3.0	900	<5	100	90

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TRACE ELEMENT GEOCHEMISTRY RESULTS 212103

D.D.H. B.T. 42 Results as p.p.m. except where indicated.

Sample (m)	Li	Na	F	Ti	% Mn	% Fe	Rb	Sr	Sn	Ba
112.7	65			160	0.14	2.4	160	10	200	20
113.7	90				0.17	3.2	1300	<5	200	120
114.7	90				0.19	3.0	360	5	300	50
115.7	130			160	0.16	3.4	800	<5	100	20
116.7	190				0.18	3.9	900	<5	700	50
117.9	125				0.11	2.5	1300	5	900	45
118.9	200			1200	0.22	6.9	740	<5	200	50
120	100			180	0.19	3.4	1000	10	200	40
121	190				0.06	1.2	1100	20	800	70
122	250			160	0.04	1.0	1200	10	100	70
123	200				0.04	1.1	1100	5	900	50
124	250				0.04	1.2	1200	10	200	35
125	260			180	0.04	1.1	1100	10	100	50
126	250				0.04	1.2			700	
127	350				0.05	1.4			1100	
128	220			180	0.04	1.2	1100	5	700	30
129	200				0.03	1.0			100	
130	245				0.04	1.1			100	
131	200			160	0.04	1.2	1000	10	200	50
132	245				0.04	1.0			300	
133	250				0.04	1.2			200	
134	245			180	0.04	1.0	1000	15	100	30
135	220				0.04	1.39	1100	10	100	45
136	145				0.04	1.05			300	
137	215			160	0.05	7.90	1100	5	300	
138	100			180	0.06	1.48	900	10	500	40
139	150			220	0.06	1.48	900	10	600	30
140	275			220	0.04	1.15	1100	10	100	60
141	275			200	0.03	1.10	1100	10	100	25
142	210			1100	0.07	1.85	900	5	600	70
143	165			220	0.06	1.70	1100	5	2100	40
144	240			200	0.03	1.15	1100	5	500	40
145	295			180	0.03	1.15	1000	10	100	35
146	280			240	0.03	1.10	1000	10	100	20

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TRACE ELEMENT GEOCHEMISTRY RESULTS 212104

D.D.H. B.T. 43 Results as p.p.m.

Sample (m)	Li	Ti	Rb	Sr	Sn	Ba
21.6	50	1800	320	100	25	440
22.6		1600	360	90	80	440
24.6		1600	340	100	25	420
27.6	75	1500	380	100	20	440
30.6		1600	380	100	80	420
33.6		1600	320	120	90	400
36.6	100	1400	440	80	25	360
39.6		1500	380	140	35	400
42.6		1600	420	120	30	480
45.6	130	1600	380	120	40	420
48.6		1600	340	100	30	440
51.6		1500	420	140	20	460
54.6	130	1600	360	120	25	400
57.6		1700	360	80	70	420
60.6		1500	500	90	100	460
63.6	100	1600	440	80	30	440
66.6		1600	380	100	35	500
69.6		1600	320	120	10	440
72.6	120	1500	320	100	30	420
75.6		1400	460	80	40	400
78.6	120	260	1200	5	2660	70
81.6	50	200	1400	5	70	80
82.6	70	200	1500	5	80	70
83.6	180	200	1300	5	650	60
84.6	180	200	1300	10	80	60
85.6	270	180	1300	5	360	60
86.6	690	200	1700	<5	100	60
87.6		200	1500	10	120	80
88.6		180	1000	10	120	70
89.6		200	1200	5	800	70
90.6		200	1100	<5	180	50
91.6		200	1100	10	180	10
92.6		200	1300	5	120	100
93.6		200	2000	5	180	60
94.6		750	420	25	500	120
95.6		200	1300	10	180	80
96.6		200	1200	5	2800	120
97.6		220	1200	10	1200	70
98.6		220	1200	5	700	80
99.6		200	1100	5	280	70
100.6		200	1200	5	340	90
101.6		220	1100	5	40	40
102.6		220	1100	<5	25	45

D.D.H. B.T. 43 Results as p.p.m.

Sample (m)	Li	Ti	Rb	Sr	Sn	Ba
103.6		220	1200	10	25	25
104.6		220	1100	15	25	50
105.6		200	1100	20	20	60
108.6		240	1100	5	25	45
111.6		220	1200	5	25	50
114.6		200	1100	5	25	30
117.6		220	1200	5	25	15
120.6		240	1200	5	25	40
123.6		240	1000	5	35	35
126.6		240	1200	5	25	50
129.6		240	1100	5	20	35
132.6		260	1100	<5	50	45
135.6		220	1200	5	20	60
138.6		280	1200	5	25	50
141.6		260	1200	5	25	40
144.6		280	1200	5	35	60
147.6		280	1200	10	30	60
150.6		280	1200	5	30	50
153.6		300	1100	5	25	30
156.6		260	1100	5	35	40
159.6		260	1100	5	30	60
162.6		260	1100	<5	40	40
165.6			1100		40	
168.6			1100		30	
171.6			1100		40	
174.6			1100		30	
177.6			1100		40	
180.6			1000		10	
183.6			1100		25	
186.6			1100		10	
189.6			1100		20	
192.6			1100		40	
195.6			1100		30	
198.6			1100		5	
201.6			1000		25	
204.6			1100		90	
207.6			1000		15	
210.6			1000		15	
213.6			1000		20	
216.6			1000		70	
219.6			1100		10	
222.6			1100		15	
225.6			1100		5	
228.6			1100		35	

TRACE ELEMENT GEOCHEMISTRY RESULTS

Sample	Sn	Rb	Sample	Sn	Rb	Sample	Sn	Rb
D.D.H. 43			90	<5	280	60.1	15	340
231.6	5	1100	93	5	460	63.1	60	380
234.6	10	1000	96	20	320	66.1	35	700
237.6	10	1000	99	10	300	69.1	100	300
240.6	60	1000	102	5	280	72.1	15	320
243.6	10	950	105	15	300	75.1	5	400
246.6	<5	1000	108	15	300	78.1	25	320
249.6	<5	1000	111	15	300	81.1	30	550
			114	10	300	84.1	25	300
			117	<5	320	87.1	10	280
D.D.H. 40						90.1	30	300
13	<5	300	D.D.H. 41			93.1	25	280
16	40	300	6.1	15	320	96.1	10	280
19	10	320	9.1	30	360	99.1	30	320
22	25	340	12.1	25	320	102.1	25	360
25	60	380	15.1	15	300	105.1	60	260
28	30	600	18.1	<5	320	108.1	25	320
30	180	1400	21.1	10	320	111.1	35	300
31	200	1100	22.1	140	650	114.1	650	300
32	260	1100	23.1	10	320	117.1	20	320
33	180	900	24.1	10	400			
34	90	1200	25.1	10	400	D.D.H. 44		
35	45	1300	26.1	320	1400	22.5	20	360
36	2300	800	27.3	70	1600	24.5	60	750
37	220	700	28.3	25	1400	25.5		440
38	160	500	29.3	80	1600	26.5		500
39	4000	650	30.3	140	1200	27.5		1100
40	650	850	31.3	1200	1200	28.5		1400
41	280	1000	32.3	240	1200	29.5		1200
42	140	1100	33.3	2400	1100	30.5		1100
43	160	950	34.3	1400	1200	31.5		950
43.9	160	1100	35.3	400	850	32.5		1500
45	5	460	36.3	2400	1300	33.5		1600
48	70	550	37.3	260	1100	34.5		1200
51	5	360	38.3	220	1200	35.5		1300
54	50	360	38.6	200	1100	36.5		1200
57	<5	320	40.1	70	480	37.5		1200
60	10	340	41.1	15	360	38.5		180
63	10	440	42.1	<5	340	39.5		180
66	<5	340	43.1	15	320	40.5		1200
69	20	320	44.1	<5	350	41.5		1200
72	25	460	45.1	60	650	42.5		1300
75	<5	300	48.1	60	320	43.5		1000
78	<5	320	50.1	<5	420	44.5		1700
81	45	300	54.1	30	400	45.5		1100
84	80	300	57.1	20	320	46.5		1200
87	25	340						

TRACE ELEMENT GEOCHEMISTRY RESULTS

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Sample	Sn	Rb	Sample	Sn	Rb	Sample	Sn	Rb
D.D.H. 44			91.5	140	900	99.2	30	950
47.5		1200	92.5			102.2	35	900
48.5		1100	93.5			105.2	35	900
49.5		1200	94.5	140	900	108.2	35	950
50.5		1100	96.5	50	900	111.2	45	950
51.5		1100	99.5	30	1000			
52.5		1100	102.5	35	1000	D.D.H. 46		
53.5		1000	105.5	25	400	1	750	1200
54.5		1100	108.5	30	1000	2	480	1200
55.5		1000	111.5	25	1000	3	35	800
56.5		600				4	50	1100
57.5		400	D.D.H. 45			5	10	380
58.5		400	13.2	45	700	6	60	1200
59.5		650	14.2	30	1100	7	60	1100
60.5		550	15.2	80	850	8	90	1200
61.5		420	16.2	50	950	9	50	1200
62.5		460	17.2	70	950	10	70	1200
63.5		700	18.2	60	950	11	50	1200
64.5		900	19.2	80	900	12.5	60	1200
65.5		800	20.2	90	900	15.5	60	1200
66.5		950	22.2	50	900	18.5	60	1300
67.5		1200	23.2	40	950	21.5	120	1300
68.5		1000	27.2	220	1100	24.5	45	1200
69.5		950	30.2	50	1000	27.5	60	1600
70.5		1000	33.2	35	950	33.5	20	460
71.5		1200	36.2	70	800	36.5	40	1200
72.5		1000	39.2	140	950	39.5	50	1200
73.5		1100	42.2	60	900	42.5	30	1100
74.5		1000	45.2	60	1400	45.5	30	1200
75.5		1000	48.2	70	1400	51.5	50	1200
76.5		950	51.2	60	1000	54.5	35	1300
77.5		950	54.2	160	900	57.5	35	1100
78.5		1000	57.2	40	950	60.5	50	1200
79.5		1000	60.2	160	1400	63.5	30	1300
80.5		1000	63.2	35	950	66.5	35	1000
81.5		1000	66.2	35	650	69.5	20	1100
82.5		950	69.2	35	1000	72.5	45	1200
83.5		1000	72.2	45	1000	75.5	50	900
84.5		1000	75.2	25	1000	78.5	30	1100
85.5		1000	78.2	<5	1000	81.5	35	1100
86.5		1100	81.2	25	950	84.5	30	1100
87.5		1000	84.2	25	950	87.5	50	1100
88.5		1000	87.2	25	950	90.5	45	1000
89.5		850	90.2	30	950	93.5	30	900
90.5	90	1000	93.2	30	950	96.5	40	900
			96.2	5	950			

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TRACE ELEMENT GEOCHEMISTRY RESULTS

212108

Sample	Sn	Rb	Sample	Sn	Rb	sample	sn	Rb
D.D.H. 46			57	5	380	60.5		1200
99.5	20	850	60	40	700	61.5		1200
102.5	25	360	63	30	1000	62.5		1300
105.5	45	950	66	20	950	63.5		1600
108.5	40	950	69	21.0	1000	64.5		1400
D.D.H. 46			72	10	1000	65.5		1400
111.5	20	950	75	15	950	66.5		1200
114.5	35	1200	78	20	1000	67.5		1200
117.5	10	320	81	15	360	68.5		2000
120.5	35	1100	84	10	320	69.5		1600
123.5	50	1000	87	10	320	70.5		1000
D.D.H. 46			90	20	340	71.5		1200
126.5	40	950	93	5	500	72.5		1000
129.5	25	950	96	15	320	73.5		1100
132.5	40	900	99	15	320	74.5		1100
135.5	30	1000	102	5	320	75.5		1400
138.5	30	950	105	5	340	76.5		1300
141.5	25	440	D.D.H. 48			77.5		1300
144.5	25	95	3.3	50	400	78.5		1100
147.5	20	950	6.3	30	380	79.5		1400
150.5	40	900	9.3	70	420	80.5		1500
153.5	25	950	12.3	80	400	81.5		1200
156.5	95	1200	15.3	30	480	82.5		1300
159.5	25	1200	18.3	70	720	83.5		1200
D.D.H. 47			21.3	20	500	84.5		1100
2	30	1000	24.3	40	600	85.5		1200
5	20	380	27.3	20	440	86.5		1200
11	10	380	30.3	200	550	87.5		1500
13	15	340	33.3	240	700	88.5		1200
14	25	380	36.3	80	550	89.5		1200
20	40	1300	39.3	25	500	90.5		1100
21	10	440	42.3	70	650	91.5		1100
22	500	1100	45.3	35	650	92.5		1100
23	10	340	46.3	45	65	93.5		1200
24	20	360	47.3	38	48	94.5		1200
25	10	320	48.3	25	850	95.5		1200
26	25	950	49.3	1000	1300	96.5		1200
27	1000	1200	50.5		1000	97.5		1300
30	5	360	51.5		1000	98.5		1500
33	<5	340	52.5		1100	99.5		1100
36	10	340	53.5		1100	100.5		1500
39	10	560	54.5		1000	101.5		1500
42	40	900	55.5		1400	102.5		1400
45	25	400	56.5		1800	103.5		1600
48	25	950	57.5		1500	104.5		1600
51	5	340	58.5		1500	105.5		1400
54	25	360	59.5		1500	106.5		1500

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212109

TRACE ELEMENT GEOCHEMISTRY RESULTS

Sample	Sn	Rb	Sample	Sn	Rb	Sample	Sn	Rb
D.D.H 48			151.5		1400	2.0		1200
107.5		1500	152.5		1600	3		1200
108.5		1600	153.5		1100	4		1200
109.5		1400	154.5		1300	5		1100
110.5		1200	155.5		1100	6		1000
111.5		1500	156.5		1100	7		1100
112.5		1600	157.5		1800	8		1200
113.5		1400	158.5		1800	9		1200
114.5		900	159.5		1100	10		1100
115.5		1100	160.5		1500	11		1900
116.5		1200	161.5		1500	12		1200
117.5		650	162.5		1600	13		1200
118.5		550	163.5		1400	14		850
119.5		440	164.5		1400	15		1100
120.5		1200	165.5		1100	16		1100
121.5		1500	166.5		1100	17		1000
122.5		3100	167.5		1100	18		1000
123.5		2300	168.5		1100	19		1000
124.5		2600	169.5		1100	20		1100
125.5		2100	170.5		1900	21		1200
126.5		2000	171.5		1500	22		1200
127.5		2000	172.5		2000	23		1200
128.5		1000	173.5		1600	24		1100
129.5		750	174.5		1100	25		1100
130.5		1500	175.5		1400	26		1200
131.5		1800	176.5		2700	27		1400
132.5		950	177.5		1900	28		1300
133.5		850	178.5		2800	29		1200
134.5		900	179.5		3100	30		1200
135.5		1100	180.5		1300	31		2000
136.5		1000	181.5		1200	32		1300
137.5		950	182.5		1100	33		1200
138.5		1000	183.5		350	34		1200
139.5		900	184.5		1000	35		950
140.5		1000	185.5		900	36		1000
141.5		1000	186.5		1000	37		950
142.5		900	187.5		950	38		1000
143.5		1200	188.5		900	39		900
144.5		1000	189.5		1000	40		1100
145.5		1000	190.5		950	40.9		1000
146.5		1000	191.5		950	42.4	30	1000
147.5		1200	192.5		900	43.4	<5	1000
148.5		1000	193.5		1000	44.4	5	1000
149.5	850		D.D.H. 49			45.4	10	1000
150.5	1400		1.0		1100	48.4	10	1000

TRACE ELEMENT GEOCHEMISTRY RESULTS

Sample	Sn	Kb	Sample	Sn	Li	Kb	sample	sn	Li	Kb
D.D.H. 49			D.D.H. 50							
51.4	35	1000	13.2	<5	60	340	87.7			950
54.4	20	1000	14.2	5		360	88.7			950
57.4	15	1000	15.2	25		360	89.7			950
60.4	15	950	16.2	10		360	90.7			1000
63.4	5	950	18.2		30	340	91.7			850
66.4	15	950	21.2	5		340	92.7			950
69.4	25	950	24.2	90		550	93.7			600
72.4	5	950	27.2	5	40	380	94.7			1100
75.4	100	950	30.2	15		400	95.7			1100
78.4	15	950	33.2	10		400	96.7			1200
81.4	160	950	36.2	10	20	420	97.7			1100
84.4	20	950	39.2	15		360	98.7			1100
87.4	25	950	42.2	25		500	99.7			850
90.4	40	900	45.2	10	30	420	100.7			1100
93.4	10	900	48.2	15		400	101.7			1100
96.4	5	900	51.2	30		440	102.7			1000
99.4	50	950	54.2	40		340	103.7			850
102.4	35	900	57.2	10	50	320	104.7			900
105.4	35	800	60.2	15	50	340	105.7			1100
108.4	45	900	61.7		220	700	106.7			600
111.4	20	850	62.7		300	380	107.7			1000
			63.7		325	600	108.7			1000
			64.7		470	1100	109.7			1000
			65.7		120	500	110.7			1000
			66.7		25	460	111.7			950
			67.7		190	600	112.7			950
			68.7		130	700	113.7			1000
			69.7		400	1400	114.7			1000
			70.7		50	650	115.7			950
			71.7		60	600	116.7			1000
			72.7		60	650	117.7			1000
			73.7		30	420	118.7			140
			74.7		50	500	119.7			140
			75.7		280	1000	120.7			1000
			76.7		320	1100	121.7			1000
			77.7		420	1200	122.7			1000
			78.7		250	1000	123.7			1000
			79.7		350	1100	124.7			1000
			80.7		650	1300	125.7			1000
			81.7			460	126.7			1200
			82.7			650	127.7			950
			83.7			1200	128.7			900
			84.7			700	129.7			900
			85.7			600	130.7			950
			86.7			700	131.7			1000
							132.7			950

115

212111

TRACE ELEMENT GEOCHEMISTRY RESULTS

Sample	Sn	Li	Rb
D.D.H. 50			
133.7			950
134.7			1000
135.7			1000
136.7			1000
137.7			
138.7			950
139.7			1000
140.7			950
141.7			950
142.7			1100
143.7			1000
144.7			1000
145.7			1000
146.7			950
147.7			1000
148.7			1000
149.7			950
150.7			1000
151.7			1000
152.7			950
153.7			950

SCINTILLOMETER SCAN RESULTS

D.D.H B.T. 42

Sample (m)	Counts per minute T1		c.p.m. T2		c.p.m. T3	
	B.G.	Rdg	B.G.	Rdg	B.G.	Rdg
2.7	84	78	50	50	32	34
5.7	102	89	68	54	52	40
8.7	100	120	68	81	50	62
11.7	96	118	64	62	55	42
17.7	95	89	69	58	52	39
20.7	94	98	68	61	39	39
23.7	84	102	55	72	42	49
26.7	108	134	60	70	46	41
29.7	86	122	54	77	39	55
32.7	87	98	67	63	47	41
35.7	100	84	67	46	47	32
38.7	90	95	60	61	45	40
39.7	102	104	72	61	48	38
40.7	68	116	44	63	29	48
41.7	108	114	66	59	54	44
42.7	102	103	68	60	46	38
43.7	86	106	66	65	44	41
44.7	88	97	58	60	39	39
45.7	100	104	71	69	49	52
46.7	93	93	60	64	41	44
47.7	90	102	62	69	46	47
48.7	110	130	67	68	46	47
49.7	102	134	62	76	41	50
50.7	132	132	69	66	56	36
51.7	108	118	64	60	43	40
52.7	104	141	63	72	39	46
53.7	100	136	54	77	40	54
54.7	104	98	55	47	44	28
55.7	104	100	53	81	43	58
56.7	112	136	73	68	53	44
57.7	114	140	65	70	44	43
58.7	104	118	65	53	49	34
59.7	91	130	61	69	47	37
60.7	116	124	72	73	52	54
61.7	102	154	67	83	45	50
63.7	110	103	70	64	58	36
64.7	103	128	58	72	38	47
65.7	113	126	74	74	54	48
66.7	112	138	71	82	52	51
67.7	112	140	71	77	48	46
68.7	102	120	50	64	26	43
69.7	96	134	58	62	41	42
70.7	94	132	62	65	33	46
102.7	110	121	66	67	52	50

Fine Grained Granite Cap.

Mineralisation

SCINTILLOMETER SCAN RESULTS

D.D.H. B.T. 43

Sample (m)	T1	T2	T3
21.6	128	70	39
22.6	132	71	40
24.6	118	62	39
27.6	132	73	49
30.6	120	72	53
33.6	140	73	50
36.6	134	77	47
39.6	140	81	50
42.6	126	62	37
45.6	124	71	52
48.6	134	75	51
51.6	130	71	41
54.6	130	67	42
57.6	128	69	50
60.6	154	69	45
63.6	139	77	54
66.6	128	72	45
69.6	140	78	47
72.6	128	76	48
75.6	118	62	46
78.6	130	75	46
81.6	138	71	46
82.6	128	70	54
83.6	146	78	52
85.6	118	53	35
86.6	140	71	40
88.6	144	74	50
89.6	134	66	43
90.6	112	61	44

Coarse Grained Granite cap

Fine Grained Granite
Slight alteration

D.D.H. B.T. 44

22.5	144	88	67
23.5	114	64	43
24.5	118	63	43
25.5	113	72	55
28.5	118	64	44
29.5	138	88	63
30.5	100	65	46

Mineralisation
Coarse Grained Granite cap

SCINTILLOMETER SCAN RESULTS

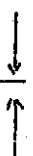
D.D.H. B.T. 40

Sample (m)	T1	T2	T3
13	126	67	49
16	132	79	54
19	112	60	41
22	96	58	47
25	132	79	55
28	132	74	57
30	128	70	53
31	128	68	61
33	120	79	63
34	114	76	59
35	134	71	52
37	146	78	60
38	128	70	56
40	112	76	55
41	116	68	48
42	112	61	48
43	136	70	48
43.9	120	75	58
45	138	76	60
48	124	73	56
51	134	80	61
54	110	71	46
57	130	72	56
60	120	73	55
63	126	72	46
66	118	66	48
69	134	76	61
72	130	79	56
75	108	60	47
78	126	58	45
81	118	69	53
84	105	61	39
87	126	71	49
90	128	77	58
93	96	65	53
96	118	63	47
99	120	62	50
102	104	55	36
105	118	63	48
108	130	71	42
111	158	82	62
114	132	75	51
117	122	74	60

Coarse Grained Granite

Fine Grained Granite

Coarse Grained Granite



DIAMOND DRILL RECORD

HOLE NUMBER :BT 68

212117

LOGGED BY :APR

123

WVPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% SMn	% Pb.	% Zn.	% Bi.	g/t Ag
0	21.9	4.2	19.2	<u>SAND, COARSE GRAINED GRANITE</u> , minor aplite & greisen:												
				0.0- 3.0m:Fragments of weathered CGG. 40cms recovered.												
				3.0-17.0m:Coarse sand only recovered.												
				17.0-18.0m:0.8m recovered. Fragments of pink CGG.												
				18.0-18.1m:Aplite vein. Contacts not available due to broken core.												
				18.1-18.2m:Weak greisen and quartz.												
				18.2-19.0m:Pink CGG. Slight weathering and broken.												
				19.0-19.15m:White to pink quartz vein with greisen margin. Distinct contacts at 20°.												
				19.15-19.9m:Pink CGG. Minor broken zones.												
				19.9-20.5m:Weak greisen, mixture of CGG and pink quartz vein at 20°.												
				20.5-21.9m:Grades back into CGG - Pink with slight broken zone.												
21.9	25.2	100		<u>MIXTURE OF PEGMATITIC & APLITIC ROCK TYPES:</u>												
				21.9-22.3m:Light grey to white aplite. Very slight greisening. Lower contact 40° and marked by coarse pink feldspars.												
				22.3-24.3m:Pegmatite / aplite zone. Mixture of white quartz massive pink feldspar. Weak mica development, but mainly as sparse acicular biotite. Greenish to white clay present from 23.0m. Weak layering in places, approaching 85° to 90°.		24.0	25.0	0.17	0.013	0.10	0.085	2				
				24.3-24.9m:Massive cassiterite developed as segregations. Weak layering at base at 80°. 5 cm margin of greenish micas and trace of sulphide is developed at the base. This interval not sampled -		26.0	<0.01	0.006	0.06	0.010	<1					
				24.9-25.2m:Very siliceous aplite. Weak layering. Very minor amount of fine mica.		27.0	0.23	0.037	0.10	0.028	6					
						28.0	0.16	0.002	0.12	0.007	<1					
						29.0	0.02	0.013	0.10	0.011	2					
						30.0	0.12	0.001	0.10	0.012	1					
						31.0	0.07	0.19	0.11	0.37	34					
						32.0	0.01	0.12	0.07	0.037	20					
						33.0	1.9	0.23	0.10	0.085	32					
						34.0	0.03	0.004	0.05	0.016	1					
						35.0	0.07	0.003	0.12	0.013	1					
25.2	101.4	100		<u>FINE GRAINED GRANITE / GREISEN to FINE GRAINED GRANITE:</u>		36.0	0.12	0.003	0.16	0.023	1					
				25.2-26.6m:Light grey-green FGG/Gr with trace sulphide. Clayey joints are common.		37.0	0.01	0.004	0.13	0.018	2					
				26.6-32.2m:Light grey green FGG/Gr with sparse coarse micas. Competent core with few breaks. Trace cassiterite. Trace disseminated sulphide and moly.		38.0	0.02	0.021	0.13	0.017	2					
						39.0	0.01	0.015	0.08	0.015	2					
						40.0	<0.01	0.016	0.13	0.031	4					
						41.0	<0.01	0.012	0.12	0.017	4					
						42.0	0.01	0.013	0.10	0.013	2					
				32.2-32.3m:GREISEN VEIN: Abundant coarse cassiterite. Definite contacts at 60°.		43.0	<0.01		INSUFFICIENT	SAMPLE						

DIAMOND DRILL RECORD

HOLE NUMBER : BT 67

212122

LOGGED BY : AFR

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃
0	17.05	1.5	9	<u>COARSE SAND and COARSE GRAINED GRANITE:</u> 0.0-5.4m: Coarse sand. 5.4-15.4m: Lost water return. No recovery. 15.4-16.7m: Crumbly fragments of pink to grey CGG. Greenish clay common. 16.7-17.05m: More competent CGG but still with crumbly pink fragments common.													
17.05	18.6		100	<u>MIXED LITHOLOGIES:</u> Pegmatite, layered aplite., minor CGG. 17.05-17.6m: Pink to green mixed rock. Semi-pegmatite and large qtz-mica, minor diffuse CGG. 17.6-18.3m: Pink grey, coarse pegmatite. 18.3-18.6m: Layered aplite, quartz-feldspar and minor pegmatite. Slight greisen. Dark green micas. Layering 80°.													
18.6	30.4		100	<u>FINE GRAINED GRANITE / GREISEN to FINE GRAINED GRANITE</u> with overall weak alteration. 18.6-19.5m: Grades into grey to green FGG/Gr with coarse, but sparse dark micas. Very minor aplitic veinlets at 85°. No visible cassiterite. 19.5-20.25m: Light green whitish FGG to FGG/Gr. Gradational contacts. 20.25-20.35m: Greisen. Gradational contacts at 90°. No minxl. 20.35-21.0m: Back into white to light green FGG to weak FGG/Gr. Trace moly. 21.0-21.1m: More intense alteration. Diffuse, gradational contacts. FGG/Gr. 21.1-21.9m: Green to white FGG to FGG/Gr. Micas are bright yellow green. 21.9-23.0m: Light grey FGG/Gr with coarse micas. Trace moly. No visible cassiterite. 23.0-23.6m: Grades into FGG/Gr to FGG. Light green mica alteration. Clay alteration on joints. 23.6-24.1m: Increase in dark micas but only minor FGG/Gr 24.1-30.6m: Grades into uniform FGG with weak alteration, which consists of bright green medium grained micas. 30.6-30.9m: As above. Some clayey joints. FGG 30.9-35.4m: As above. Sparse reddish brown mineral present		18.0	19.0	0.19	0.008	0.09	0.016	1					
							20.0	0.03	0.009	0.08	0.017	1					
							21.0	0.03	<0.001	0.06	0.010	<1					
							22.0	<0.01	0.001	0.08	0.012	<1					
							23.0	0.03	0.018	0.11	0.027	2					
							24.0	0.05	0.009	0.11	0.013	1					
							25.0	0.01	0.010	0.06	0.008	2					
							26.0	0.04	0.001	0.05	0.006	1					
							27.0	0.04	0.014	0.09	0.018	3					
							28.0	0.01	0.007	0.10	0.019	3					
							29.0	0.04	0.013	0.10	0.021	3					
							30.0	0.04	0.006	0.10	0.021	2					
							31.0	0.01	0.004	0.08	0.016	2					
							32.0	0.02	0.013	0.08	0.016	2					
							33.0	0.02	0.007	0.07	0.017	2					
							34.0	0.04	0.008	0.08	0.018	2					
							35.0	<0.01	0.028	0.08	0.025	2					
							36.0	0.01	0.005	0.06	0.017	2					
							37.0	0.03	0.004	0.09	0.031	1					
							38.0	0.03	0.004	0.10	0.027	1					
							39.0	0.03	0.003	0.09	0.021	1					
							40.0	0.02	0.003	0.08	0.023	1					
							41.0	0.01	0.002	0.07	0.020	1					
							42.0	<0.01	0.002	0.08	0.022	1					

128

DIAMOND DRILL RECORD

HOLE NUMBER : BT 67

212123

LOGGED BY : APR

NV PS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag
				which appears not to be cassiterite, but is an alteration of feldspar. FGG		42.0	43.0	<0.01		0.003		0.08		0.024	2	
								44.0	<0.01		0.007		0.08		0.018	1
				35.4-39.8m:As above but with minor clay veins and clay on joints				45.0	0.01		0.008		0.08		0.018	2
								46.0	0.05		0.008		0.06		0.013	2
				39.8-43.0m:As above but with discrete greyish patches, not particularly obvious, of weak greisen or change in composition of weak micas.				47.0	0.09		0.009		0.04		0.009	2
								48.0	0.08		0.005		0.04		0.008	1
								49.0	0.04		0.002		0.04		0.010	1
				43.0-45.2m:Uniform light green weakly altered FGG to FGG/Gr with rare reddish brown mineral as mentioned above.				50.0	0.05		<0.001		0.05		0.010	<1
								51.0	0.06		<0.001		0.05		0.009	<1
				45.2-46.4m:As above. Several whitish kaolin clay veins.				52.0	0.08		<0.001		0.06		0.010	<1
				46.4-53.4m:Light green to white weakly altered FGG to FGG/Gr				53.0	0.06		<0.001		0.04		0.008	<1
				53.4-56.4m:Uniform textured FGG to weak FGG/Gr as above. Few clayey joints.				54.0	0.07		<0.001		0.04		0.009	<1
								55.0	0.07		<0.001		0.04		0.009	<1
				56.4-59.4m:White to green FGG/Gr with light green mica. several clayey joints at 40°.				56.0	0.04		<0.001		0.04		0.009	<1
								57.0	0.02		<0.001		0.04		0.008	<1
				59.4-62.4m:As above. Minor patch of very white FGG. The remainder is light green FGG to weak FGG/Gr.				58.0	<0.01		<0.001		0.05		0.012	<1
								59.0	0.04		<0.001		0.04		0.010	<1
				62.4-65.4m:As above.				60.0	0.07		<0.001		0.04		0.010	<1
				65.4-68.4m:Colour is slightly darker green for first 1m but alteration is still weak. FGG to weak FGG/Gr.				61.0	0.02							
								62.0	0.51							
				68.4-71.4m:As above. Light green FGG to FGG/Gr.				63.0	0.14							
				71.4-74.4m:Brown white feldspars becoming noticeable in light green FGG to FGG/Gr.				64.0	0.05							
								65.0	0.07							
				74.4-77.4m:Lime green talcy? micas becoming common. Few clay joints at 40°.				66.0	0.06							
								67.0	0.08							
				77.4-80.4m:Becoming very soft in part due to talc / clay mica alteration. FGG to very weak FGG/Gr.				68.0	0.08							
								69.0	0.09							
								70.0	0.10							
				END OF HOLE.				71.0	0.02							
								72.0	0.08							
								73.0	0.07							
								74.0	0.09							
								75.0	0.18							
								76.0	0.06							
								77.0	0.01							
								78.0	<0.01							
								79.0	0.01							
								80.0	<0.01							

129

DIAMOND DRILL RECORD

HOLE NUMBER : BT 66

212126

LOGGED BY : APR

IWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Sb.	% Pb.	% Zn.	% Bi.	g/t Ag
0	22.0	1.5	6.8	<u>SAND, APLITE and COARSE GRAINED GRANITE:</u>												
				0 -20.5m: Sand. Coarse to 11m (CGG), then only medium grained from 11 to 20.5m												
				20.5-21.5m: Pink aplite. Partly wth'd.												
				21.5-22.0m: Grades into wth'd CGG. Slight mica alteration.												
22.0	66.3			<u>FINE GRAINED GRANITE / GREISEN grading to GREISEN and, with depth, FINE GRAINED GRANITE:</u>		22.0	23.0	2.8	0.026	0.16	0.027			5		
				22.0-22.2m: Mixture of greisen and minor CGG.			24.0	0.24	0.026	0.06	0.032			4		
				22.2-22.35m: Quartz, mica and cassiterite segregation at 85°. Followed by 5cms pegmatite. This interval would correspond to pegmatite horizon.			25.0	0.05	0.090	0.13	0.052			11		
				22.35-22.7m: Core loss.			26.0	1.0	0.040	0.12	0.044			6		
				22.7-23.1m: Greisen. Coarse dark micas. Trace cassiterite.			27.0	1.5	0.075	0.12	0.045			11		
				23.1-24.1m: Grades into yellow white FGG with very weak alteration. Upper and lower contacts 90°.			28.0	1.3	0.044	0.13	0.039			6		
				24.1-25.5m: Siliceous FGG/Gr to Greisen with sparse coarse micas. Trace sulphide. Trace cassiterite.			29.0	0.50	0.060	0.15	0.042			7		
				25.5-26.3m: White grey variety of above FGG/Gr with core becoming slightly broken.			30.0	0.47	0.110	0.16	0.200			16		
				26.3-28.4m: Core not as broken as above. White grey siliceous FGG/Gr with minor segregation of mica creating very minor greisen patches. Visible disseminated cassiterite.			31.0	0.06	0.110	0.14	0.280			19		
				28.4-29.5m: Grades to even more siliceous FGG/Gr without much mica but cassiterite trace is present, and trace sulphide.			32.0	0.03	0.025	0.09	0.024			5		
				29.5-30.7m: Grades into light greenish grey FGG/Gr. Trace bornite, fluorite. Possible trace cassiterite. Tr. sphalerite?			33.0	0.03	0.020	0.09	0.022			4		
				30.7-32.2m: Increase in mica content but overall the alteration is not very intense. FGG/Gr to FGG with patches of orange-yellow clay alteration.			34.0	<0.01	0.007	0.11	0.021			3		
				32.2-38.0m: Uniform light grey green FGG/Gr. Cassiterite not particularly abundant, although several specks seen. Trace moly.			35.0	0.13	0.012	0.13	0.023			4		
				38.0-39.4m: Increase in yellow clay content. Due to weathering?			36.0	0.31	0.017	0.15	0.015			4		
				39.4-44.1m: As before. Uniform light grey green FGG/Gr and verging to FGG. No visible cassiterite.			37.0	0.23	0.027	0.18	0.014			3		
				44.1-44.3m: Clay on joints.			38.0	0.14	0.011	0.13	0.013			2		
							39.0	0.14	0.013	0.11	0.012			2		
							40.0	0.24	0.020	0.09	0.015			3		
							41.0	0.28	0.045	0.11	0.017			5		
							42.0	0.29	0.021	0.10	0.012			3		
							43.0	0.28	0.030	0.07	0.010			3		
							44.0	0.50	0.014	0.06	0.008			2		
							45.0	0.34	0.010	0.05	0.011			2		
							46.0	0.50	0.012	0.06	0.010			2		
							47.0	0.56	0.017	0.06	0.010			3		
							48.0	0.45	0.012	0.07	0.010			3		
							49.0	0.92	0.009	0.07	0.010			3		
							50.0	0.21	0.013	0.09	0.013			4		
							51.0	0.22	0.012	0.07	0.012			3		
							52.0	0.17	0.018	0.08	0.012			3		
							52.0	0.22	0.019	0.06	0.011			4		
							54.0	0.17	0.014	0.06	0.010			3		
							55.0	0.40	0.023	0.05	0.010			3		
							56.0	0.02	0.013	0.06	0.010			3		

132

DIAMOND DRILL RECORD

HOLE NUMBER : BT 65

212130

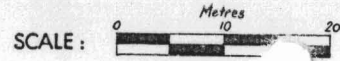
LOGGED BY : AFR

NWPS

136

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S/Mn	% Pb.	% Zn.	% Bi.	g/t Ag
0	37.4	12.4	33	<u>SAND and COARSE GRAINED GRANITE:</u>												
				0-23.0m: No core recovered. Medium grained sand.												
				23.0-24.3m: Broken weathered core, fragments of FGG probably related to aplitic dyke?												
				24.3-24.4m: Fragments of wth'd CGG												
				24.4-25.0m: Fragments of wth'd white FGG/aplite.												
				25.0-23.0m: Very crumbly wth'd CGG fragments, colour pink to grey. From 23.0 to 23.0m, only 3m rubbly core recovered.												
				23.0-22.1m: Less wth'd, slightly crumbly pink grey CGG.												
				22.1-31.4m: Pink grey fresh CGG grading to slight white colour.												
				31.4-32.7m: Mixture of FGG/aplite and diffuse textured CGG. Colour pink grey. Upper contact 50, lower one 5.												
				32.7-24.0m: Pink to grey CGG with minor aplite veins, at 60°.												
				24.0-35.4m: Pinkish green to white altered CGG and pink grey aplite/weak greisen. Trace sphalerite.												
				35.4-35.3m: Grades to pink grey CGG.												
				35.3-36.7m: White CGG.												
				36.7-37.4m: Increasing pink alteration of CGG.												
						37.4	39.0	0.01	0.024	0.09	0.043				3	
37.4	75.3	100		<u>FINE GRAINED GRANITE / GREISEN</u> grading to <u>GREISEN</u> or, <u>FINE GRAINED GRANITE</u> (with depth).			39.0	0.01	0.090	0.11	0.155			17		
							40.0	0.03	0.055	0.11	0.200			11		
							41.0	2.20	0.015	0.12	0.035			3		
				37.4-38.4m: Quartz and siliceous FGG/Gr. Colour light grey green. Upper contact is gradational. 5cms of milky quartz at lower contact. Trace sulphide.			42.0	2.60	0.017	0.13	0.034			3		
							43.0	0.22	0.075	0.15	0.38			14		
							44.0	0.97	0.035	0.14	0.040			6		
				38.4-40.0m: Siliceous FGG/Gr. Colour grey green but trace sulphide, trace cassiterite. Trace barite, pyrite.			45.0	1.30	0.027	0.31	0.043			6		
							46.0	0.44	0.058	0.15	0.21			13		
				40.0-41.3m: Grades into more siliceous FGG/Gr to Greisen. Colour grey green and diffuse textured with abundant cassiterite, often occurring as segregations at 70° to 80°, but not as discrete veins.			47.0	0.62	0.075	0.17	0.24			15		
							48.0	0.23	0.050	0.11	0.22			12		
							49.0	0.21	0.018	0.11	0.095			4		
							50.0	0.06	0.027	0.10	0.046			6		
				41.3-42.2m: As above but with dark micas very common. Abundant disseminated cassiterite. Trace moly.			51.0	0.06	0.022	0.10	0.035			4		
							52.0	0.09	0.020	0.05	0.021			3		
				42.2-42.8m: Grades into more diffuse textured, closer grained FGG/Gr. Less siliceous.			53.0	0.07	0.012	0.08	0.020			3		
							54.0	0.12	0.027	0.08	0.026			5		
				42.8-44.9m: Grades back into very siliceous FGG/Gr to Greisen with dark micas, and abundant cassiterite, usually disseminated with one or two segregations at 90°. Minor 5-10 cm zones with trace of very fine sulphide. Sphalerite?			55.0	0.13	0.008	0.08	0.019			3		
							56.0	0.20	0.011	0.06	0.016			2		
							57.0	0.02	0.011	0.06	0.015			2		
							58.0	0.12	0.004	0.06	0.013			2		

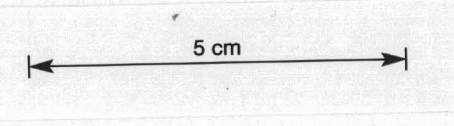
HOLE No. : B.T.64



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212133

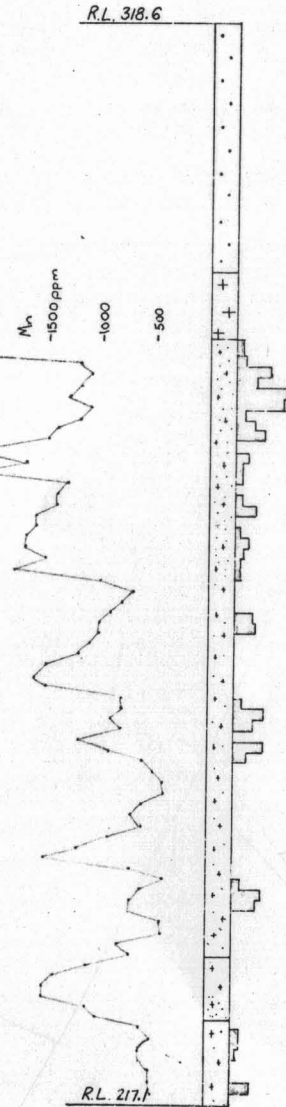
139



PLAN

⊗
S 435 344 - 1 N
585 062 - 4 E

DIP PROFILE



% Sn

R.L. 288.3

- 0.11
- 0.18
- 0.55
- 0.37
- 0.31
- 0.8
- 0.34
- 0.53
- 0.09
- 0.21
- 0.11
- 0.12
- 0.06
- 0.12
- 0.04
- 0.10
- 0.7
- 0.10
- 0.06
- 0.02
- 0.31
- 0.36
- 0.07
- 0.07
- 0.04
- 0.08
- 0.57
- 0.38
- 0.55
- 0.29
- 0.02
- 0.02
- 0.01
- 0.01
- 0.01
- 0.01
- 0.02
- 0.01
- 0.02
- 0.43
- 0.02
- 0.02
- 0.00
- 0.01
- 0.01
- 0.01
- 0.06
- 0.01
- 0.04
- 0.16
- 0.16
- 0.09
- 0.08
- 0.56

39.3m X 0.23 % Sn

R.L. 249.6

R.L. 217.1

DIAMOND DRILL RECORD

HOLE NUMBER : ET 64

212134

LOGGED BY : APR

140

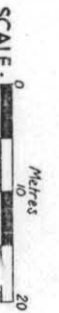
NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% SM _n	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃
0	29.7	15	50	<p><u>COARSE SAND and COARSE GRAINED GRANITE:</u></p> <p>0.0-12.0m: Coarse sand derived from Coarse Grained Granite 13.0-20.5m: Lost water. No recovery. 20.5-23.5m: 3m recovered. Weathered broken CGG. 23.5-27.0m: Broken white to pink CGG. Full recovery. 27.0-29.7m: Fresh pink to grey CGG with slight green clay in last 30cms. Over last 10cms is gradual change to FGG/Gr.</p>													
29.7	37.2	100		<p><u>FINE GRAINED GRANITE / GNEISS to FINE GRAINED GRANITE</u> with most intense alteration in first 60 metres.</p> <p>29.7-32.6m: Gradual change from CGG over 10cms. Dark grey green, very siliceous, diffuse FGG/Gr and quartz/pegmatite fragments. Coarse micas common. Trace sphalerite. Crude layering at 30°.</p> <p>32.6-33.0m: Very diffuse dark grey green siliceous FGG/Gr. Trace cassiterite.</p> <p>33.0-33.1m: Coarse quartz-mica band. Layering 30°.</p> <p>33.1-35.1m: Grades into light grey siliceous FGG/Gr with sparse micas, but coarse. Trace cassiterite, moly, sulphides. Light greenish talcy clays common from 34.0m to 35.1m. Very coarse cassiterite in a few patches especially at 34.9m.</p> <p>35.1-35.4m: Mixture of very quartz rich, diffuse FGG/Gr with talcy vein? at 45° at 35.25m with very coarse abundant cass. Trace moly in this zone. Diffuse, gradational contacts.</p> <p>35.4-42.0m: Even textured, homogeneous light grey FGG/Gr with dark, sparse, coarse micas. Siliceous in parts. Trace cass. med. grained, trace sulphides, moly. Bornite common in last 1m. Trace sphalerite indicated by Zn assays.</p> <p>42.0-44.6m: Decrease in the amount of coarse dark green mica. Still light grey siliceous FGG/Gr with smaller light green micas. Trace mauve fluorite. Sparse cassiterite. Trace diss. sulphide.</p> <p>44.6-46.3m: Grades into FGG/Gr with common dark coarse mica. Gradational contacts.</p> <p>46.3-49.3m: Decrease in dark mica. Light grey FGG/Gr with light green micas. Trace cassiterite.</p> <p>49.3-51.3m: Increase in greenish-yellow micas. Trace cassiterite. Colour light grey green.</p> <p>51.3-57.3m: Grades into lighter colour. FGG/Gr to FGG. Not intensely altered. Few clayey veinlets.</p>		29.7	31.0	0.11	0.220	0.28	0.34	35					
							32.0	0.13	0.057	0.12	0.21	9					
							33.0	0.65	0.025	0.11	0.038	4					
							34.0	0.37	0.019	0.12	0.030	4					
							35.0	0.91	0.019	0.13	0.034	5					
							36.0	0.89	0.023	0.11	0.038	5					
							37.0	0.13	0.022	0.12	0.026	5					
							38.0	0.34	0.031	0.14	0.030	6					
							39.0	0.53	0.043	0.15	0.035	7					
							40.0	0.09	0.064	0.22	0.051	10					
							41.0	0.21	0.060	0.17	0.044	8					
							42.0	0.11	0.040	0.22	0.140	20					
							43.0	0.12	0.230	0.13	0.190	35					
							44.0	0.06	0.120	0.14	0.200	18					
							45.0	0.12	0.009	0.14	0.045	2					
							46.0	0.37	0.048	0.16	0.065	9					
							47.0	0.04	0.042	0.16	0.010	8					
							48.0	0.10	0.002	0.17	0.052	1					
							49.0	0.27	0.001	0.17	0.036	<1					
							50.0	0.17	0.001	0.15	0.065	<1					
							51.0	0.10	0.012	0.18	0.075	2					
							52.0	0.11	<0.001	0.10	0.026	<1					
							53.0	0.06	<0.001	0.07	0.009	<1					
							54.0	0.02	0.009	0.08	0.014	2					
							55.0	0.02	0.010	0.09	0.012	2					
							56.0	0.31	0.001	0.10	0.010	<1					
							57.0	0.36	0.007	0.10	0.009	1					
							58.0	0.08	0.003	0.11	0.009	1					
							59.0	0.07	0.003	0.12	0.014	1					
							60.0	0.07	0.004	0.15	0.010	1					
							61.0	0.01	<0.001	0.16	0.003	1					

PLAN

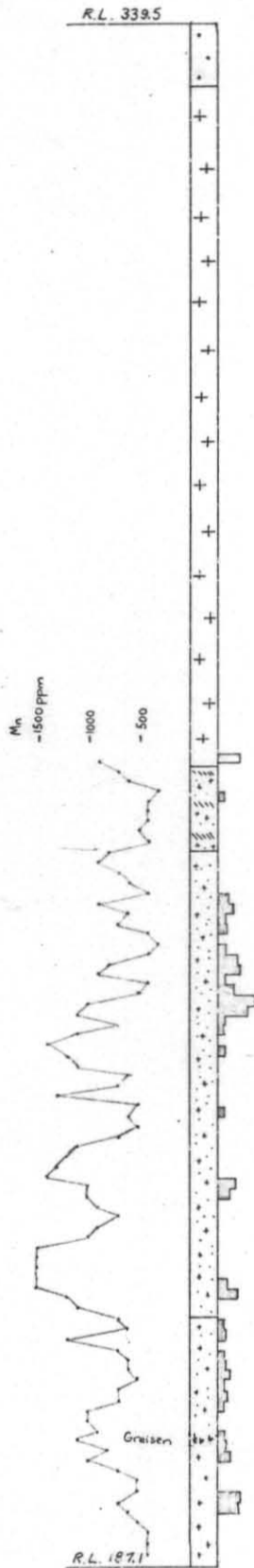
⊗ EAST 66.2 N
S85 144.2 E

HOLE No. 1: B.T. 62



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

DIP PROFILE



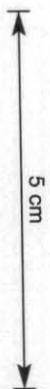
% Sn

R.L. 267.5

- 0.43
- 0.27
- 0.24
- 0.22
- 0.13
- 0.04
- 0.02
- 0.04
- 0.02
- 0.03
- 0.03
- 0.02
- 0.02
- 0.02
- 0.02
- 0.02
- 0.11
- 0.11
- 0.13
- 0.13
- 0.40
- 0.17
- 0.13
- 0.73
- 0.00
- 0.19
- 0.18
- 0.16
- 0.16
- 0.14
- 0.13
- 0.13
- 0.14
- 0.03
- 0.03
- 0.02
- 0.03
- 0.03
- 0.03
- 0.03
- 0.03
- 0.03
- 0.04
- 0.04
- 0.03
- 0.02
- 0.03
- 0.02
- 0.02
- 0.20
- 0.40
- 0.11
- 0.02
- 0.16
- 0.07
- 0.11
- 0.14
- 0.25
- 0.15
- 0.20
- 0.13
- 0.24
- 0.07
- 0.18
- 0.25
- 0.08
- 0.01
- 0.03
- 0.41
- 0.42
- 0.02
- 0.01
- 0.01
- 0.01

75m X 0.14 Sn

R.L. 192.5



DIAMOND DRILL RECORD

HOLE NUMBER : BT 62

212145

LOGGED BY : AFR

151

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SUL.	% Cu.	% As	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag
				67.5-73.3m: Grades into CGG with brick-red to pink alteration. Last 30cms is a mixture of CGG, FGG.		72.0	73.0	0.43	<0.001		0.09	0.004	<1			
							74.0	0.07	<0.001		0.07	0.004	<1			
							75.0	0.04	0.015		0.06	0.048	3			
73.3	81.6	100		TRANSITION ZONE: Mixture of pegmatite, Fine Grained Granite rock types, only weakly greisenised in part.			76.0	0.02	<0.001		0.03	0.006	<1			
							77.0	0.13	<0.001		0.04	0.006	<1			
							78.0	0.04	0.001		0.04	0.007	<1			
				73.3-76.9m: Mixed lithology: Grey to light pink to white FGG/QF to slight FGG/Gr. Diffuse Qtz vein at 73.4m, at 45°. Irregular diffuse greisen veinlets. Qtz-mica vein at 74.4m, at 90°. Slight pegmatitic affinities. Pegmatite vein (2cm) at base of interval, at 50°.			79.0	0.02	<0.001		0.04	0.004	<1			
							80.0	0.04	<0.001		0.05	0.006	<1			
							81.0	0.02	<0.001		0.04	0.008	<1			
							82.0	0.03	0.005		0.08	0.011	2			
							83.0	0.03	0.023		0.09	0.011	3			
				76.9-77.2m: Diffuse textured white/ light grey FGG/Gr to QF/ FGG. Qtz-mica vein (3cm) at base, at 55°.			84.0	0.05	0.014		0.07	0.058	3			
							85.0	0.02	0.003		0.06	0.012	1			
				77.2-77.3m: White-pink-grey mixed FGG/Gr to FGG/QF rock.			86.0	0.02	0.001		0.04	0.004	<1			
				77.3-77.95m: Pegmatite vein. Upper contact 25-30°. Lower contact 70°.			87.0	0.22	0.007		0.09	0.009	1			
							88.0	0.30	0.009		0.06	0.011	2			
				77.95-78.4m: As before. Diffuse textured FGG/Gr to FGG/QF.			89.0	0.11	0.007		0.07	0.018	1			
				78.4-78.5m: Pegmatite vein.			90.0	0.13	0.004		0.04	0.031	1			
				78.5-79.3m: As before. Mixed FGG/Gr to FGG/QF.			91.0	0.06	0.005		0.03	0.022	1			
				79.3-81.3m: Complex, mixed rock. Pegmatite, FGG/QF rock. Coarse micas.			92.0	0.13	0.007		0.04	0.022	2			
							93.0	0.40	0.009		0.08	0.038	3			
				81.3-81.6m: White/green medium grained FGG/Gr. Irregular pegmatite-quartz vein at base. Trace chulco., moly.			94.0	0.44	0.013		0.09	0.060	3			
							95.0	0.17	<0.001		0.04	0.009	<1			
							96.0	0.33	0.005		0.05	0.013	1			
81.6	127.4	100		FINE GRAINED GRANITE / GREISEN, minor PINE GRAINED GRANITE:			97.0	0.73	0.023		0.10	0.135	4			
							98.0	0.60	0.030		0.11	0.250	5			
				81.6-81.8m: Very dark green, very fine grained greisen. Lower contact is layered at 70°, and consists of Qtz/feldspar/mica.			99.0	0.19	0.150		0.07	0.650	24			
							100.0	0.16	0.030		0.11	0.360	16			
							101.0	0.06	0.024		0.14	0.046	5			
				81.8-83.5m: Light grey/green FGG/Gr. Trace sulphide. No vis cass.			102.0	0.14	0.001		0.12	0.039	<1			
							103.0	0.09	0.070		0.11	0.100	12			
				83.5-84.4m: Dark green-grey FGG/Gr to Greisen.			104.0	0.03	0.012		0.06	0.068	1			
				84.4-86.2m: Grades into light grey-green to white FGG to FGG/Gr. Uniform texture.			105.0	0.04	0.012		0.07	0.065	2			
							106.0	0.02	0.030		0.13	0.185	17			
				86.2-88.4m: Slightly darker grey to light green FGG/Gr. Trace very fine cassiterite.?			107.0	0.03	<0.001		0.05	0.010	<1			
							108.0	0.13	0.001		0.06	0.013	<1			
				88.4-91.3m: Grades into light grey to white-green FGG to FGG/Greisen. Weak alteration.			109.0	0.02	0.001		0.05	0.010	<1			
							110.0	0.02	<0.001		0.07	0.022	<1			
				91.3-97.7m: Slightly darker grey-green FGG/Gr with minor patchy FGG.			111.0	0.03	0.020		0.11	0.125	16			
							112.0	0.03	0.004		0.12	0.048	1			

DIAMOND DRILL RECORD

HOLE NUMBER BT 62

212146

LOGGED BY APR

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TC	TOTAL	ACID SOL.	% Cu.	% As.	% SM _n	% Pb.	% Zn.	% Bi.	g/t Ag
				97.7-98.6m: Weak to diffuse contact at 30', as rock changes to a siliceous FGG/Gr with trace fine cassiterite.		112.	113.0	0.03	<0.001		0.13		0.040		<1	
							114.0	0.04	0.001		0.14		0.125		<1	
				98.6-99.8m: Still very siliceous FGG/Gr with sparse coarse micas towards base.			115.0	0.33	0.008		0.10		0.033		<1	
							116.0	0.26	0.042		0.10		0.245		8	
				99.8-101.9m: Change to very siliceous FGG/Gr with sparse pink tinge throughout - hematite staining? May correlate with lithology in BT 48.			117.0	0.03	0.021		0.09		0.160		2	
							118.0	0.03	0.039		0.07		0.195		8	
							119.0	0.04	0.085		0.09		0.460		16	
				101.9-102.9m: As above but without hematite staining. Darkish green siliceous FGG/Gr.			120.0	0.04	0.026		0.10		0.175		4	
							121.0	0.03	0.001		0.15		0.047		1	
				102.9-104.7m: Grades into light grey-green normal, non-siliceous FGG/Gr to FGG.			122.0	0.02	<0.001		0.15		0.046		1	
							123.0	0.03	<0.001		0.15		0.048		<1	
				104.7-107.2m: Grades back to very siliceous FGG/Gr to Greisen with very sparse hematite staining, to almost nil. Trace moly. Trace cass? Coarse micas.			124.0	0.02	<0.001		0.15		0.044		<1	
							125.0	0.20	<0.001		0.15		0.047		<1	
							126.0	0.40	0.002		0.12		0.040		<1	
				107.2-110.15m: Grades into white to light grey-green FGG to weak FGG/Gr. Non-siliceous.			127.0	0.07	0.005		0.11		0.044		<1	
							128.0	0.02	<0.001		0.07		0.014		<1	
				110.15-111.3m: Grades into darker grey siliceous FGG/Gr with common coarse micas.			129.0	0.11	<0.001		0.06		0.012		<1	
							130.0	0.14	0.010		0.12		0.027		3	
				111.3-113.4m: As above but very siliceous, and with sparse hematite staining., and weak stressed fabric. Colour varies from light green to reddish darker grey-green.			131.0	0.07	<0.001		0.07		0.011		<1	
							132.0	0.11	<0.001		0.06		0.009		<1	
							133.0	0.14	<0.001		0.06		0.010		<1	
				113.4-113.9m: As above but without hematite staining.			134.0	0.25	<0.001		0.05		0.029		<1	
				113.9-114.3m: Re-appearance of hematite staining. Siliceous stressed light grey-green FGG/Gr.			135.0	0.15	0.002		0.07		0.066		<1	
							136.0	0.20	0.005		0.07		0.045		1	
				114.3-116.2m: Grades into siliceous FGG/Gr but without significant hematite staining. Trace cass. Uniform texture, very competent rock.			137.0	0.13	<0.001		0.10		0.080		1	
							138.0	0.04	<0.001		0.10		0.057		<1	
							139.0	0.07	<0.001		0.09		0.125		2	
				116.2-116.8m: Grades into white to light grey FGG to FGG/Gr. Weak alteration.			140.0	0.15	<0.001		0.11		0.065		<1	
							141.0	0.18	<0.001		0.08		0.065		<1	
				116.8-117.6m: Grades into weak FGG/Gr and becoming more siliceous. Colour light grey-green.			142.0	0.25	<0.001		0.10		0.028		<1	
							143.0	0.08	<0.001		0.07		0.016		<1	
				117.6-120.3m: Slightly more altered FGG/Gr. Very siliceous with light green micas, mainly sericite. Large diffuse patches of quartz, and common from 119.4m.			144.0	0.01	<0.001		0.05		0.015		<1	
							145.0	0.03	<0.001		0.05		0.017		<1	
							146.0	0.47	<0.001		0.07		0.012		<1	
				120.3-122.4m: As above with intense red hematite staining throughout. Siliceous FGG/Gr. Colour red-light green.			147.0	0.42	<0.001		0.06		0.009		<1	
							148.0	0.02	<0.001		0.05		0.052		<1	
				122.4-122.9m: As above. Siliceous FGG/Gr but without significant hematite staining.			149.0	0.01	<0.001		0.04		0.059		<1	
							150.0	0.01	<0.001		0.04		0.110		<1	
				122.9-125.3m: Grades into siliceous FGG/Gr with intense hematite staining throughout. Weakly stressed fabric.			151.0	0.01	<0.001		0.04		0.066		<1	

152

HOLE No.: B.T. 61

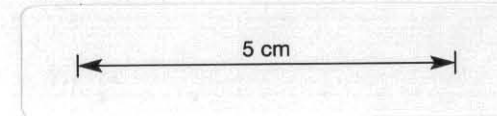


RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212149

155

NWPS 24451

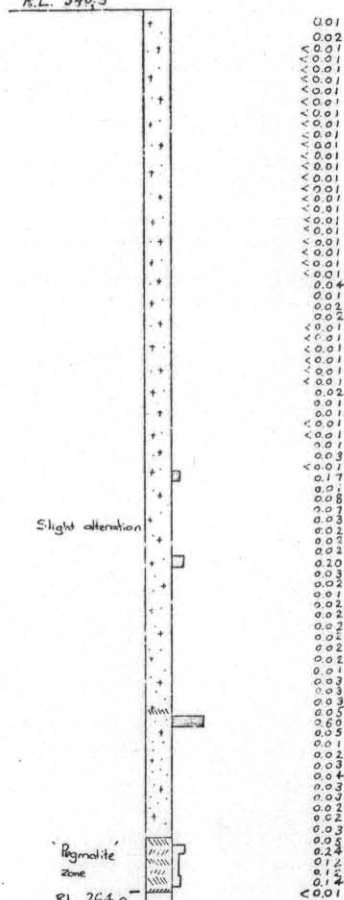


PLAN

⊗
S 43° 37.0mN
50° 19.3mE

R.L. 346.3

% Sn



DIP PROFILE

R.L. 223.8

DIAMOND DRILL RECORD

HOLE NUMBER : BT 60

LOGGED BY : APP.

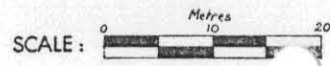
212159

NWPS

INTERVAL (m)		RECOVERY		DESCRIPT.	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
83.35	103.7		100	FINE GRAINED GRANITE to minor FINE GRAINED GRANITE / GREISEN												
				83.35-94.5m: Grades into uniformly textured white to light grey FGG. Barren.												
				94.5-94.8m: Quartz mica vein with clayey alteration. Lower contact definite and at 45°-50°.												
				94.6-99.8m: As before. Slight pink tinge to feldspars.												
				99.3-100.4m: Diffuse weak greisen alteration. Weak FGG/Gr. No definite contacts. Trace fluorite.												
				100.4-101.45m: As before. Slight pink FGG.												
				101.45-101.6m: Slight grey diffuse alteration. FGG to FGG/Gr.												
				101.6-104.4m: FGG with more noticeable pink tinge in first 1.5m.												
				104.4-107.2m: Grades to weak FGG/Gr to FGG, colour diffuse gy-gr with semi-pegmatitic segregation at 105.8m. Diffuse quartz veinlet at 60° at 106.1m.												
				107.2-108.4m: Grades to pink FGG and semi-pegmatitic mixture. Diffuse greisen spots.												
				108.4-108.7m: Pink to grey pegmatite to peg./greisen. No attitudes available.												
108.7	137.0		100	QUANTZ - FELDSPAR ROCK / FINE GRAINED GRANITE:												
				108.7-111.2m: Mixture of weakly altered FGG/QF rock. Very minor biotite and semi-pegmatitic segregation. No attitudes available. Colours pink to grey to light green.												
				111.2-115.2m: Grades into FGG/QF rock without significant alteration. Few spots of grey aplite. Colour pink-white-grey												
				115.2-115.6m: Diffuse sericitic quartz-greisen vein. Upper contact 30°. No vis cass.												
				115.6-137.0m: Grades into rock as before. Pinkish uniform texture. FGG/QF rock with very weak to nil alteration. Almost aplitic texture. Lower contact definite and sharp, 45°.												
137.0	146.5		100	FINE GRAINED GRANITE:												
				137.0-138.4m: Normal med. grained FGG. Adjacent to contact; Weak alteration and semi-pegmatitic segregations with minor veins at 45°. Slight FGG/Gr but not significant. Slight pink-tinge of feldspar.												
				138.4-146.5m: Grades into white-grey, med to coarser FGG with slight pinking. Numerous clayey joints. Minor QF from 140.0 to 141.2m. END OF HOLE.												

165

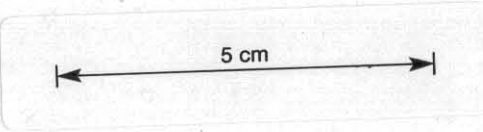
HOLE No. : *B.T. 59*



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212161

NWPS 24451

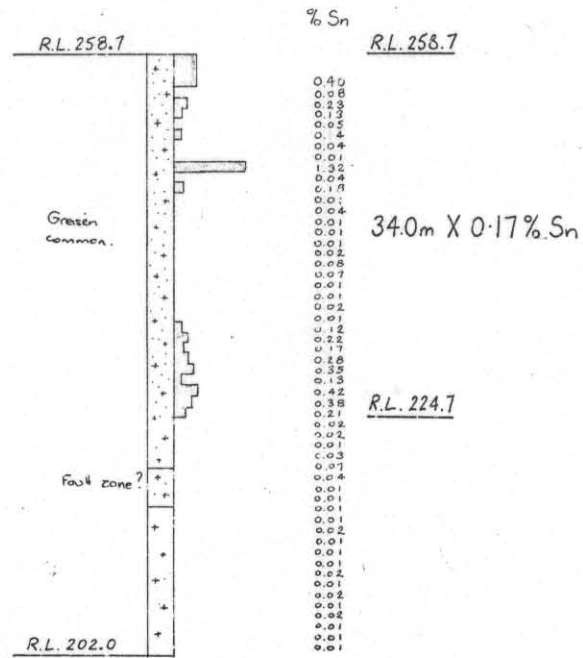


167

PLAN

543553.4 N
304709.6 E

DIP PROFILE



HOLE No. : B.T. 56

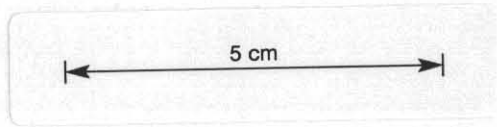


RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212174

180

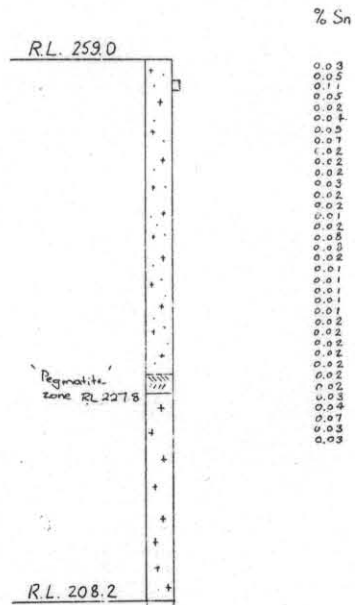
NWPS 24451



PLAN

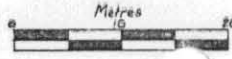
⊗
5435265-1 N
584788-9 E

DIP PROFILE



HOLE No. : B.T. 54

SCALE:

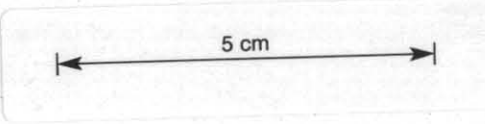


RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212182

NWFS 24451

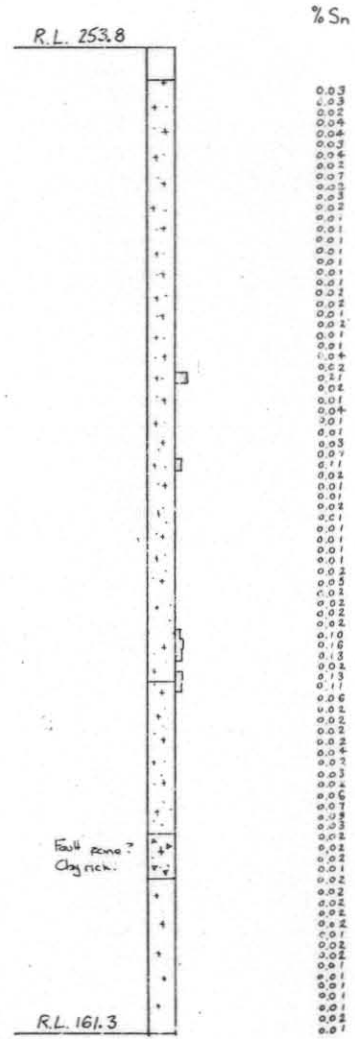
188



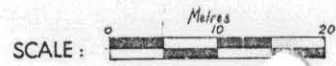
PLAN

⊗
S435276-B H
584899-1 E

DIP PROFILE



HOLE No. : BT 53



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212187

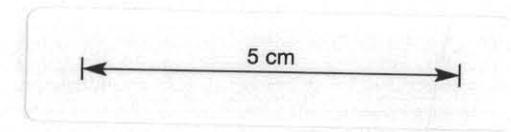
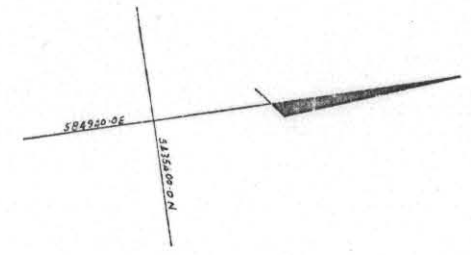
193

NWPS 24451

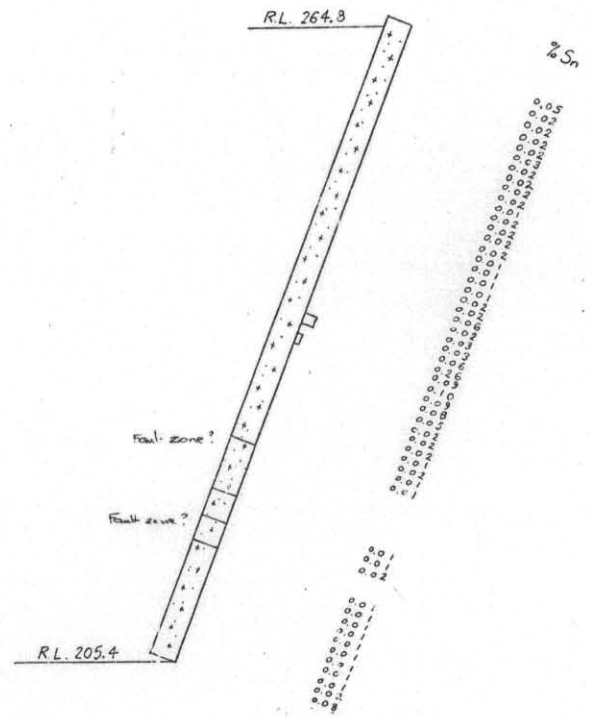
PLAN

S455332-2 N
S8A976-6 E

S4416353-8 N
S83728-1 E



DIP PROFILE



HOLE No. : B.T.52

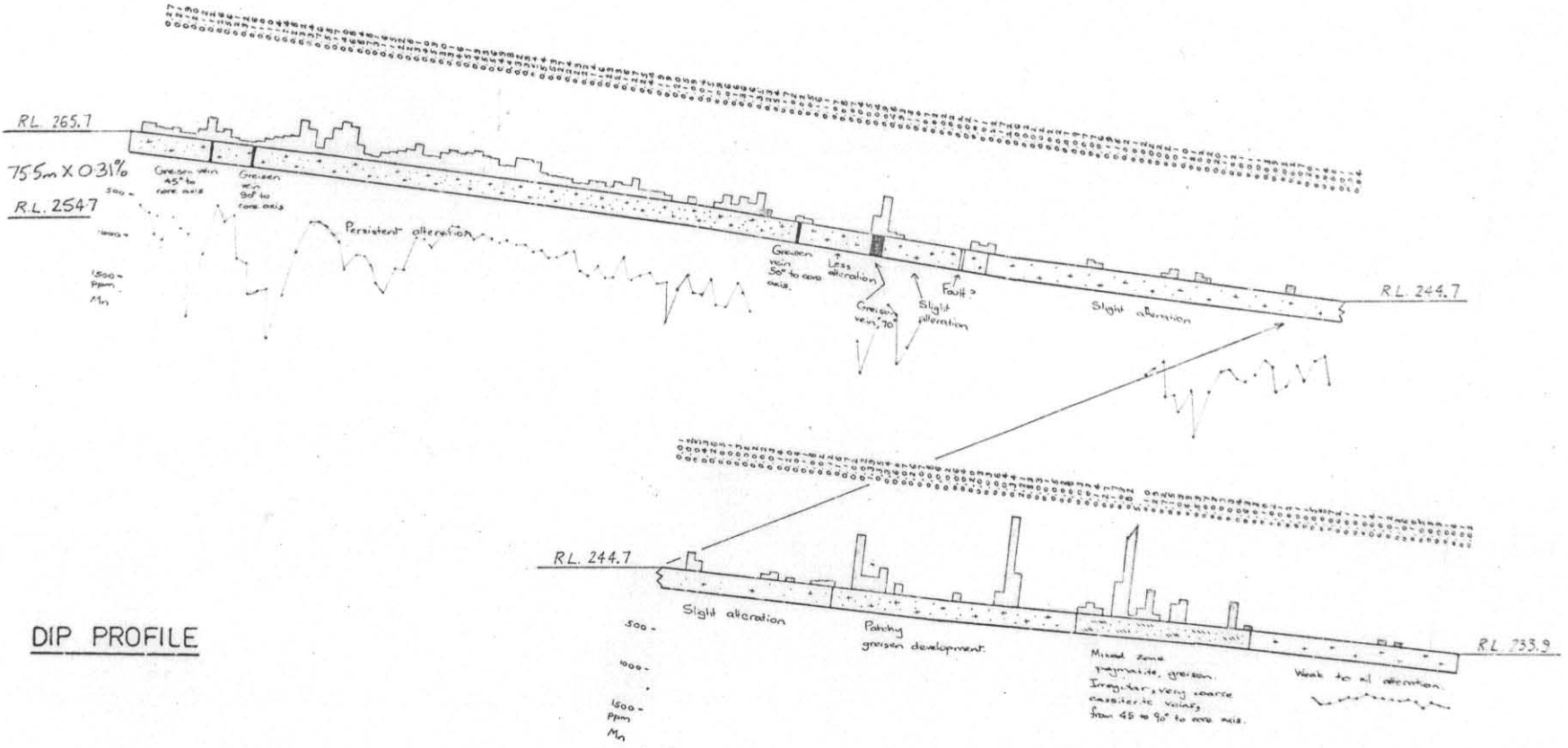
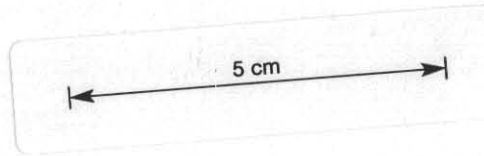


RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212191

197

NWPS 24431



HOLE No. : BT 52



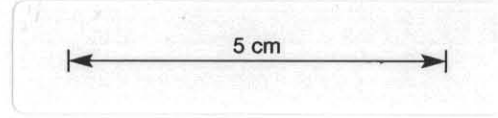
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212192

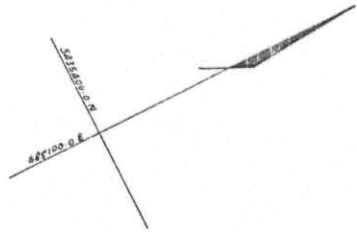
198

NW 1/4

6415306 1 N
644367 3 E



PLAN



6415402 7 N
645174 6 E

DIAMOND DRILL RECORD

HOLE NUMBER : BT 52

212193

LOGGED BY : AFR

199

NAPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.									
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% In.	% Mo.	% Pb.	% Zn.	% Bi.
0	1.5			RUBBLE: Coarse grained granite floaters and with'd greisen floaters. Collared in scree rubble.	PINOLE		0.52	0.006	0.050	0.003		0.016	0.003	5	
1.5	20.7	73.4	99.0	FINE GRAINED GRANITE / GREISEN and GREISEN:		1.5	3.0	0.27	0.006	0.062	0.004	0.014	0.003	4	
							4.0	0.21	0.024	0.070	0.009	0.017	0.005	6	
							5.0	0.19	0.002	0.093	0.004	0.018	0.004	5	
				1.5-2.2m: Fe-stained gy-gn FGG/Gr. No coarse cass. vis.			6.0	0.20	0.003	0.100	0.006	0.019	0.005	5	
				2.2-3.0m: Gy-gn FGG/Gr with joint at 40°.			7.0	0.12	0.012	0.070	0.007	0.018	0.004	5	
				3.0-3.4m: As above, but talc / clay joints. Gn micas.			8.0	0.12		0.083	0.004	0.014	0.003	3	
				3.4-6.8m: Weakly jointed gy-gn FGG/Gr with pink-brn feldspar relicts. CORE LOSS 0.75m from 3 to 4m.			9.0	0.26		0.090	0.002	0.013	0.004	3	
							10.0	0.56		0.130	0.003	0.029	0.002	3	
				6.8-9.8m: Gy-gn FGG/Gr with tr fine cass. Few clayey joints			11.0	0.21		0.112	0.006	0.022	0.002	4	
				9.8-10.0m: GREISEN vein. Upper & lower contacts 45°, diffuse but definite. Cass. present.			12.0	0.32		0.050	0.004	0.003	0.001	4	
							13.0	0.16		0.070	0.009	0.016	0.002	4	
				10.0-14.9m: Gy-gn FGG/Gr. Tr fine cass, patchy diss sulphide			14.0	0.10		0.060	0.001	0.016	0.002	4	
				14.9-15.2m: GREISEN vein. Upper contact indistinct. Lower contact at 90°. Abundant pink-brn feldspar. Coarse platy micas. Patchy diss sulphide.			15.0	0.10		0.113	0.012	0.027	0.022	26	
							16.0	0.14		0.119	0.014	0.123	0.014	73	
							17.0	0.24		0.152	0.026	0.053	0.023	4	
				15.2-20.6m: Gy FGG/Gr with very siliceous matrix and diss coarse platy micas. Sparse pink-brn feldspar. Tr patchy sulphides incl. bornite. V few clayey joints. Core slightly broken from 16.5 to 17.5m			18.0	0.28		0.147	0.003	0.043	0.004	14	
							19.0	0.32		0.144	0.003	0.031	0.005	12	
							20.0	0.14		0.203	0.004	0.040	0.013	39	
							21.0	0.76		0.147	0.001	0.029	0.003	19	
				20.6-27.4m: FGG/Gr but colour is more gn-gy with more alt feldspar and less coarse biotite than before. Overall slightly finer grained. Minor talcy joints for first 40 cms. Sparse patches diss sulphide. No vis coarse cass.			22.0	0.58		0.094	0.001	0.022	0.002	2	
							23.0	0.17		0.057	0.001	0.012	0.002	2	
							24.0	0.40		0.054	0.001	0.014	0.002	3	
				27.4-28.1m: As above but with common talcy joints.			25.0	0.63		0.057	0.001	0.014	0.003	4	
							26.0	0.34		0.063	0.001	0.019	0.004	7	
				28.1-74.8m: As before, gy-gn FGG/Gr. V minor pink brn feldspar relicts. Overall v uniform rock with no joints and very competent. Micas yell-gn and with lesser coarse biotite. V few diss sulphides. Rare speck moly. No vis coarse cass. Clay on joint at 45m and slightly broken core from 49.7 to 50.0m. Minor clayey joints at 52.4m.			27.0	0.73		0.077	0.002	0.013	0.005	24	
							28.0	0.31	0.028	0.11		0.013		3	
							29.0	0.16	0.010	0.09		0.012		5	
							30.0	0.15	0.039	0.09		0.015		5	
							31.0	0.22	0.025	0.10		0.016		5	
							32.0	0.26	0.027	0.12		0.015		3	
				74.8m: Unusual gy-white vein. 1-2cm wide qtz-feldspar-clay at 45°.			33.0	0.31	0.020	0.13		0.014		3	
							34.0	0.40	0.012	0.10		0.013		3	
				74.8 - 80.4m: As above but core is BROKEN with numerous clayey joints & talcy material. Crumbly in parts.			35.0	0.53	0.006	0.10		0.011		2	
							36.0	0.30	0.011	0.06		0.009		2	
				80.4-80.7m: GREISEN vein. Upper contact not definite due to core break. Lower contact definite, diffuse, at 50°. Abundant coarse cass.			37.0	0.31	0.010	0.06		0.009		1	
							38.0	0.46	0.007	0.07		0.008		1	
							39.0	0.51	0.012	0.05		0.008		1	
							40.0	0.49	0.008	0.04		0.007		1	
							41.0	0.53		0.033	0.002	0.010	0.002	5	
							42.0	0.56		0.044	0.006	0.002	0.003	5	

DIAMOND DRILL RECORD

HOLE NUMBER BT 52 **212195**

LOGGED BY AFR

NWPS

201

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.												
						FROM	TO	TOTAL	ACID SOL.	% Cu.	% In	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃	
				120.0-122.1m:Less broken gy-gn FGG/Gr to greisen with coarse platy micas. Very siliceous. Tr moly. Gradational upper and lower contacts.		84.0	85.0	0.07										
							86.0	0.04										
							87.0	0.05										
				122.1-122.6m:Grades to gn FGG/Gr to greisen with common gn micas and coarser dk biotite.			88.0	0.04										
							89.0	0.09										
				122.6-124.6m:Very broken zone. Crumbly gy-gn FGG/Gr to greisen.			90.0	0.08	0.017	0.104	0.001		0.014	0.001		1		
							91.0	0.98	0.660	0.142	0.001		0.022	0.002		22		
				124.6-128.5m:As above but not as broken. Coarse platy mica Common brown relict feldspar? Speck moly. V few joints.			92.0	0.18	0.001	0.070	0.001		0.009	0.001		1		
							93.0	0.10	0.001	0.051	0.001		0.007	0.001		1		
				122.5-130.2m:Grades into slightly lighter FGG/Gr. More gn micas and less alt feldspars.			94.0	0.07	0.002	0.063	0.003		0.006	0.001		1		
							95.0	0.02	0.019	0.122	0.001		0.016	0.006		4		
				130.2-130.3m:GREISEN vein. Upper and lower contacts diffuse & not very definite but possibly 90°. V coarse dk platy micas and white feldspar? No vis cass.			96.0	0.02	<0.001	0.102	0.001		0.011	0.002		1		
							97.0	0.02	0.001	0.063	0.002		0.002	0.004		<1		
							98.0	0.02										
				130.3-132.5m:Light gy-gn FGG/Gr. Not broken except for fracture at 0° from 131.0 to 131.6m.			99.0	0.02										
							100.0	0.01										
				132.5-133.5m:Grades into yellow gn Fgg/Gr with overall lighter colour.			101.0	0.01										
							102.0	0.22										
				133.5-135.9m:Gradual change to dk gy-gn FGG/Gr. Few joints. Some with clay, and at 45°.			103.0	0.17										
							104.0	0.22										
				135.9-138.2m:Gradual change back to light gn-gy FGG/Gr with common gn-yell micas. Common joints up to 137m, with clay.			105.0	0.06										
							106.0	0.02										
				138.2-139.1m:Change to gy-gn FGG/Gr. Diffuse contacts.			107.0	0.02										
				139.1-139.9m:Lighter gy-gn FGG/Gr.			108.0	0.02										
				139.9-143.8m:Light gy FGG/Gr with broken zones, clay on joints especially from 141 to 142.5m. Minor amount of micas			109.0	0.02										
							110.0	0.02										
				143.8-145.0m:Grades into slightly more gn FGG/Gr and with v few broken zones. Slight Fe staining of core from 145 to 145.2m. Grades into:			111.0	0.07										
							112.0	0.09										
							113.0	0.07										
				145.2-146.5m:Slightly gy FGG/Gr with diffuse, amorphous Qtz-feldspar vein (1cm) at base of interval. Attitude 55°.			114.0	0.07										
							115.0	0.06										
				146.5-146.9m:Mixture of gy FGG/Gr and cream Qtz-feldspar vein. Lower contact 25° and sharp to diffuse.			116.0	0.19										
							117.0	0.16										
				146.9-151.6m:Dk gy-gn FGG/Gr to Greisen with tr cass. Joint at 50°, some with slight clay. Rock appears siliceous. Core broken from 149 to 149.5m with v common joints at 40°.			118.0	0.02										
							119.0	0.01										
							120.0	0.02										
				Lower contact gradational and at about 90°. Diss cass.			121.0	0.02										
				151.6-154.5m:Slightly less gy and is gn FGG/Gr to greisen and very siliceous. Common greisen patches and patches of very unusual blood-red fine grained mineral.			122.0	0.02										
							123.0	0.02	0.001	0.150	0.005		0.012	0.012		1		
							124.0	0.01	0.006	0.096	0.005		0.010	0.010		2		
				154.5-155.2m:Light gy siliceous FGG/Gr. Upper contact grad.			125.0	0.10	0.011	0.083	0.002		0.009	0.009		2		
							126.0	0.21	0.001	0.073	0.002		0.007	0.007		1		

DIAMOND DRILL RECORD

HOLE NUMBER : BT 52 **212197**
 LOGGED BY : AFR

203

NWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	% Sn.																
				FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃					
		193.4-196.0m:Light gy-gn very siliceous FGG/Gr with patchy minor hematite staining. Last 30cms is very pale and siliceous, with trace fine diss sulphide. <u>PET. DESC. 195.1m</u>		168.0	169.0	0.02														
					170.0	1.39														
					171.0	0.35														
					172.0	0.34														
196.0	216.9	100	COMPLEX ZONE WITH INTENSE ALTERATION? SOME FAULT AFFINITIES AND WITH GREISEN CONTAINING EXTREMELY COARSE CASSITERITE IN PLACES:		173.0	0.60														
					174.0	0.07														
					175.0	0.23														
					176.0	0.07														
					177.0	0.08														
					178.0	0.06														
					179.0	0.02														
					180.0	0.05														
					181.0	0.04														
					182.0	0.20														
					183.0	0.03														
					184.0	0.03														
					185.0	0.06														
					186.0	0.04														
					187.0	0.34														
					188.0	1.21														
					189.0	0.33														
					190.0	0.03														
					191.0	0.01														
					192.0	0.05														
					193.0	0.02														
					194.0	0.03														
					195.0	0.03														
					196.0	0.02														
					197.0	0.14														
					198.0	0.27														
					199.0	0.17														
					200.0	0.03														
					201.0	0.32														
					202.0	0.07														
					203.0	0.10														
					204.0	0.29														
					205.0	0.72														
					206.0	0.15														
					207.0	0.03														
					208.0	0.43														
					209.0	0.53														
					210.0	0.07														

PET. DESC. 196.3m

X See log

DIAMOND DRILL RECORD

HOLE NUMBER : BT 52

212198

LOGGED BY : AFR

NWPS

	INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.													
	FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% Mn	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃		
N.E. From 201 to 202m, the first 20cms was split and assayed; the last 20cms is estimated at 5-6% Sn.					200.4-201.1m: Grades into gy siliceous greisen with clayey joints at 25° resulting in crumbly core. Tr cass. Lower contact 45°.		211.0	212.0	0.03											
					201.1-201.35m: White-yellowish amorphous rock with minor gn micas. Huge crystals of cassiterite (10 cent coin size) forming a crude vein at 40°. Lower 5cms of core is very crumbly-clay.			213.0	0.03											
					201.35-201.6m: Milky quartz vein with trace clayey mica. Lower contact sharp, at 45°.			214.0	0.04											
					201.6-203.0m: Dk grey greisen with a lesser siliceous appearance. Few clayey veinlets, otherwise uniform. Veinlets are at 45-50°.			215.0	0.03											
					203.0-204.1m: Gradually becoming more siliceous and with olive brown colour thru'out, otherwise gy sil greisen. One diffuse vein at 45°. Coarse cass present. Lower contact 45°.			216.0	0.03											
					204.1-204.6m: Unusual 'vein' of dk gn-gy greisen with mostly lime green talcy mineral and very coarse cassiterite. Part siliceous at base of interval. <u>PET. DESC. 204.6m</u>			216.9	0.10											
					204.6-205.3m: Grades into yellow-white amorphous rock with a diss coarse mica and irregular patches of lime green talc, including one 5cm patch of talc which occupies one side of the core, suggesting a low angle i.e. 0°, orientation. Lower contact 2-5. <u>PET. DESC. 205.0m</u>			218.0	0.02											
					205.3-206.6m: Dk gy-gn less siliceous greisen with minor patchy micas. Tr pink mineral. Overall grain size is finer than usual greisen varieties. Lower contact gradational.			219.0	0.01											
					206.6-207.0m: Change to lighter grey to cream fine grained granite/greisen, although fairly siliceous.			220.0	0.02											
					207.0-207.3m: Low angle, 25, qtz, mica, clay 'pegmatite' vein with common coarse cassiterite. Vein is about 4cm wide surrounded by coarse greisen.			221.0	0.01											
					207.3-208.5m: Gn-gy greisen to FGG/Gr. Uniform texture. No structures. Tr fine cass? Grades into: <u>PET. DESC. 207.9m</u>			222.0	0.01											
					208.5-209.3m: As above but with minor cream blotchy clay mineral and at the base of the interval is coarser greisen. Lower contact 45°.			223.0	0.05											
					209.3-209.05m: GREISEN VEIN with coarse cassiterite present. Lower contact definite but diffuse and at 90°. A vein at 209 at 60° contains cass the size of 10 cent coin.			224.0	0.03											
					209.05-210.0m: Multi-coloured grey to cream, white to yellow amorphous in part; the rest is pink-grey siliceous greisen. At base is a 10cm vug with disc shaped mineral grains as			225.0	0.07	0.002	0.050	0.002		0.039	0.006	2				
								226.0	0.02	0.002	0.067	0.004		0.023	0.005	2				
								227.0	0.01	0.002	0.054	0.002		0.019	0.004	1				
								228.0	0.01	0.001	0.048	0.002		0.022	0.003	1				
								229.0	0.01	0.001	0.043	0.002		0.016	0.003	<1				
								230.0	0.04	0.001	0.043	0.001		0.014	0.001	2				
								231.0	0.01	0.001	0.043	0.001		0.014	0.001	2				
							232.0	0.02	0.001	0.039	0.001		0.017	0.001	1					
							233.0	0.12	0.003	0.042	0.002		0.020	0.002	<1					
							234.0	0.05	0.001	0.042	0.001		0.031	0.001	1					
							235.0	0.10	0.001	0.042	0.001		0.025	0.001	3					
							236.0	0.05	0.001	0.042	0.001		0.018	0.001	2					
							237.0	0.03	0.001	0.036	0.002		0.013	0.002	2					
							238.0	0.03	0.002	0.040	0.002		0.023	0.002	3					
							239.0	0.01	0.002	0.049	0.002		0.024	0.002	2					
							240.0	0.06	0.001	0.033	0.002		0.021	0.001	2					
							241.0	0.01	0.001	0.043	0.001		0.016	0.001	1					
							242.0	0.02	0.003	0.041	0.001		0.022	0.001	1					

204

188.1m (TS 24146, K stain negative)

This is a quartz-mica-topaz rock or greisen with disseminated cassiterite. Coarse anhedral incipiently stressed and weakly microfractured quartz grains (mean 1.2mm) comprise approximately 50% of the rock. Interspersed with the quartz are occasional coarse topaz subhedra (to 2mm x 5.5mm) and frequent coarse grained mica aggregates accompanied by finer granular aggregates and single sub- to eu-hedral grains of topaz.

Mica is largely a pale green biotite mantled and progressively replaced by muscovite typically with thin films of Fe-carbonate along the cleavage planes. Topaz is weakly fractured and veined on a microscale by films of colourless to mauve fluorite or occasionally sellaite. Traces of mauve fluorite also develop along the cleavage traces in muscovitised biotite and heal the late stage microfractures in quartz together with carbonate and sericitic white mica.

Cassiterite is disseminated throughout the rock as variably color-zoned and pleochroic particles sized from around 50 μ to 1.2mm (mean 250-300 μ). Generally this phase is of quartz-intergranular habit although some of the smaller grains are partly to completely included in quartz. The coarser grains tend to be weakly poikilitic with inclusions of muscovite and topaz.

The area sectioned includes a single 150 x 600 μ flake of molybdenite and minor traces of Fe-sulphide. Molybdenite is partly included in quartz and granular topaz and has a little interleaved white mica. The Fe-sulphide occurs as microscale films in a small patch of fluorite.

195.1m (TS 24147, K stain negative)

A quartz mica rock or greisen similar and closely related to the rock at 188.1m but with traces only of topaz and virtually devoid of cassiterite.

This rock consists of weakly microfractured an- to sub-hedral quartz grains with frequent intergranular to partly included aggregates of muscovite. Much of the white mica is stained with films of Fe-carbonate with associated traces of limonite and represents completely altered green biotite, minor traces of which persist as sparse fine grained inclusions in quartz. Topaz occurs only as thinly dispersed relatively fine grained subhedra enclosed within the mica aggregates. Accessory fine grained apatite is present and of similar distribution to the topaz but also occurs as inclusions in quartz.

Sporadic intergranular relatively fine grained aggregates of late-stage muscovite occasionally include minute patches of colorless fluorite representing (at least in part) altered topaz granules. Late films of Fe-carbonate are common for example healing microfractures in quartz.

Cassiterite is extremely rare in the area sectioned and was observed as two <50 μ diameter particles included in quartz.

196.3m (TS 24148, K stain positive)

This is an unusual rock best termed a biotite micropegmatite. There are some similarities with the previously described oolitic rocks from Blue Tier.

The rock has been weakly stressed and is characterised by abundant coarse flakes of biotite typically dark green but with a variably developed color zoning with colorless to brown and pinkish brown and pale green patches. These coarse flakes (to 5mm) are weakly altered with incipient marginal muscovitisation and fairly frequent films of cloudy Fe-carbonate along grain boundaries and cleavage traces. They are often partly mantled by carbonate-stained illite-hydromuscovite aggregates pseudomorphous after finer grained (mean 100 μ) biotite or phlogopite flakes.

The remainder of the rock consists essentially of fine grained complexly twinned partly "chequerboard" albite (pinkish in hand specimen) with subordinate K-feldspar partly as thin selvages on albite and also as sparse intergranular aggregates. The K-feldspar is optically sanidine. Distinctly pegmatitic intergrowths occur in places but overall the rock is too fine-grained (apart from biotite) to warrant the term pegmatite (hence micro-).

Late-stage veinlets and films of sericite are common along feldspar grain boundaries and cleavages. Traces of secondary hematite occur associated with the altered biotite. There is no detectable cassiterite.

204.6m (TS 24149, K stain negative)

This is a topaz-mica rock or greisen with accessory carbonate and fluorite.

The rock consists essentially of single grains and coarse granular aggregates of topaz disseminated throughout fine to coarse grained semi-massive white mica aggregates. Carbonate-stained muscovite pseudomorphs (to 2mm) of biotite flakes are disseminated throughout finer grained aggregates of muscovite rosettes.

Interstitial aggregates of sericite are common and in places the interstices are filled with colorless to mauve (locally color zoned) fluorite or less commonly Fe-carbonate. Topaz throughout the rock is marginally corroded by muscovite and sericite aggregates.

The sectioned area includes a single 400 μ x 1.5mm flake of molybdenite embedded in muscovite. Extremely rare grains of cassiterite are seen as 40 - 75 μ diameter inclusions in topaz or occasionally embedded in topaz-replacive sericite.

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212201

HOLE No.: BT 52

SCALE:

CMS REPORT 78/5/40 (cont'd)

207

205.0m (TS 24150, K stain negative)

This is a weakly stressed biotite micropegmatite similar to the rock at 196.3m and no doubt closely related. In contrast however this rock is finer and more even-grained.

The rock consists largely of granular to euhedral slightly interlocking albite (mean 250 - 300 μ) forming semi-massive aggregates enclosing sparsely disseminated partly sericitised and carbonated flakes of pale green biotite. Patchy single to aggregated completely sericitised K-feldspar grains are present and locally mantle albite (which in contrast is only weakly clay-stained). Accessory apatite is common. Sporadic late intergranular aggregates and semi-continuous veinlets of kaolin are present. Fe-carbonate is common throughout the rock in irregular clots and frequent highly discontinuous microscopic films penetrating feldspar grain boundaries and cleavages.

There is no detectable sulphides or cassiterite in the area sectioned.

207.0m (TS 24151, K stain negative)

This is a quartz-mica rock or greisen with no detectable cassiterite.

The rock consists largely of weakly microfractured granular quartz with disseminated intergranular mica aggregates. These latter features consist of extensively muscovitised and carbonated green biotite and slightly finer grained "primary" muscovite in roughly equal proportions.

The mica aggregates include minor accessory traces of apatite as isolated grains up to 250 μ diameter. The sectioned area includes rare quartz-intergranular patch of fluorite up to 500 μ diameter. Microfractures in quartz are healed with sericite.

The paragenesis of this rock is closely similar to that of the associated specimens, that is, micaceous (biotite, muscovite) greisens with a phase of muscovitisation and sericitisation with carbonate and fluorite as accessory alteration phases. In contrast to previous examples this rock is devoid of topaz and as noted above there is no detectable cassiterite.

210.5m (TS24152, K stain positive)

This is a weakly stressed biotite-muscovite micropegmatite similar and closely related to the previous examples.

This rock consists largely of granular to crudely radiating and micropegmatitic albite with slightly subordinate closely intergrown K-feldspar (sanidine at least in part). Grain sizing is variable but generally fairly fine. In common with the rock at 196.3m the albite is pink in hand specimen due to pervasive dusty Fe-oxide staining and the K-feldspar is clear and colorless (although whitish in hand specimen).

Frequent partly altered (carbonated) flakes of green biotite are present and these features are often mantled with muscovite partly as radiating aggregates (rosettes). Locally there is evidence of a second outer zone of biotite (completely muscovitised carbonated) in the mica aggregates with, rarely, an intermediate zone of crudely radiating fine grained feldspar.

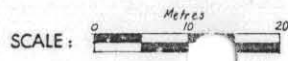
Thus this rock although clearly related to the previous "pegmatites" can be contrasted with them in terms of fabric and to some extent composition.

Irregular patches of Fe-carbonate are common and develop partly by replacement of albite. Fine microscopic carbonate veinlets heal discontinuous microfractures. Feldspars contain disseminated spherical microscopic inclusions (10 - 25 μ) of an indeterminate metamict phase possibly with associated carbonaceous matter. Where included in biotite these features have pleochroic haloes but are of no more than mineralogical curiosity value.

D. Cowan, B.Sc.

MMPS 2451

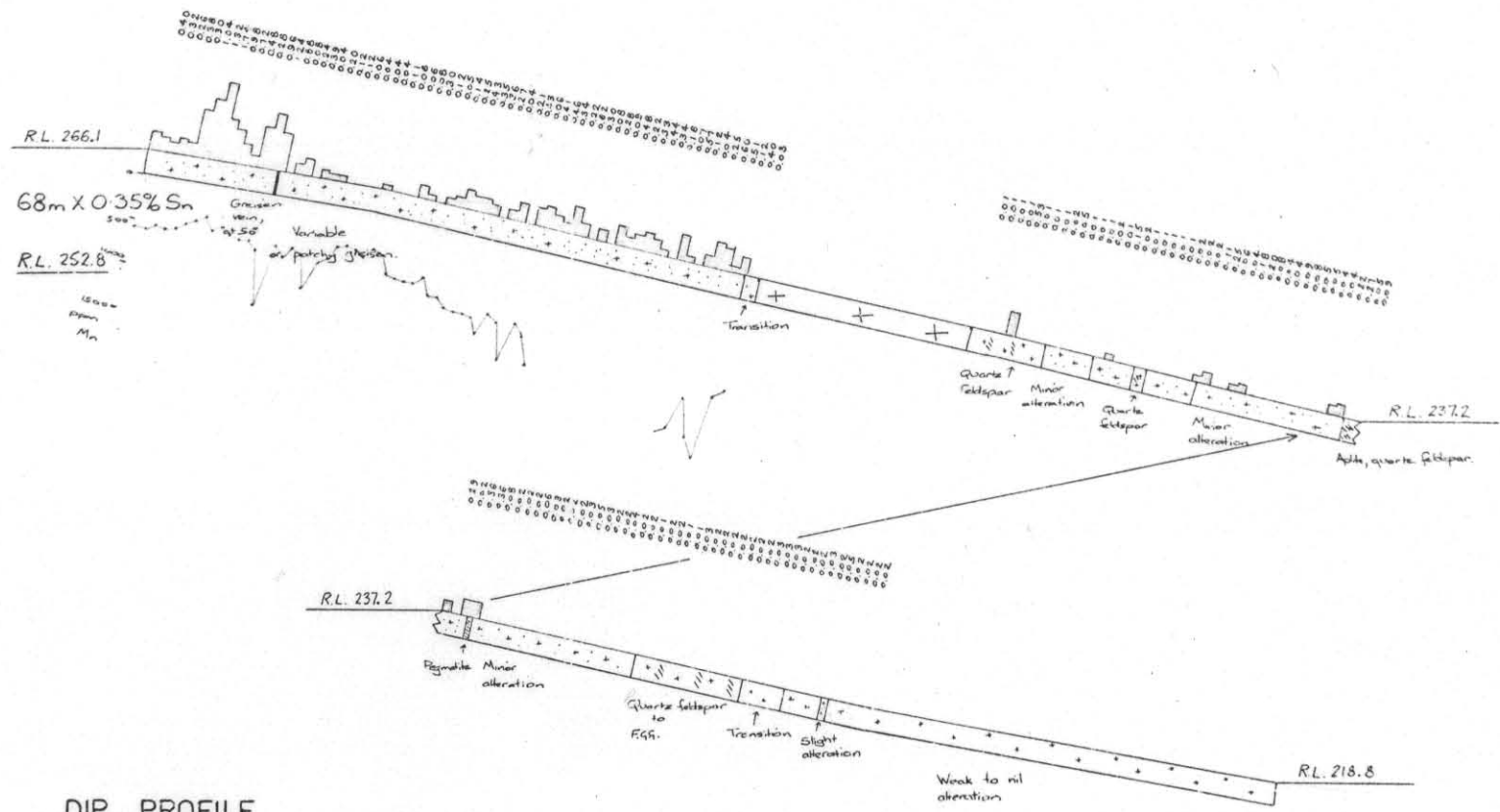
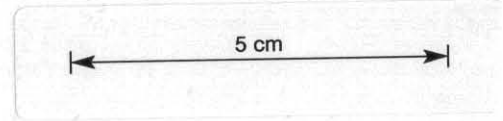
HOLE No. : B.T. 51



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212203

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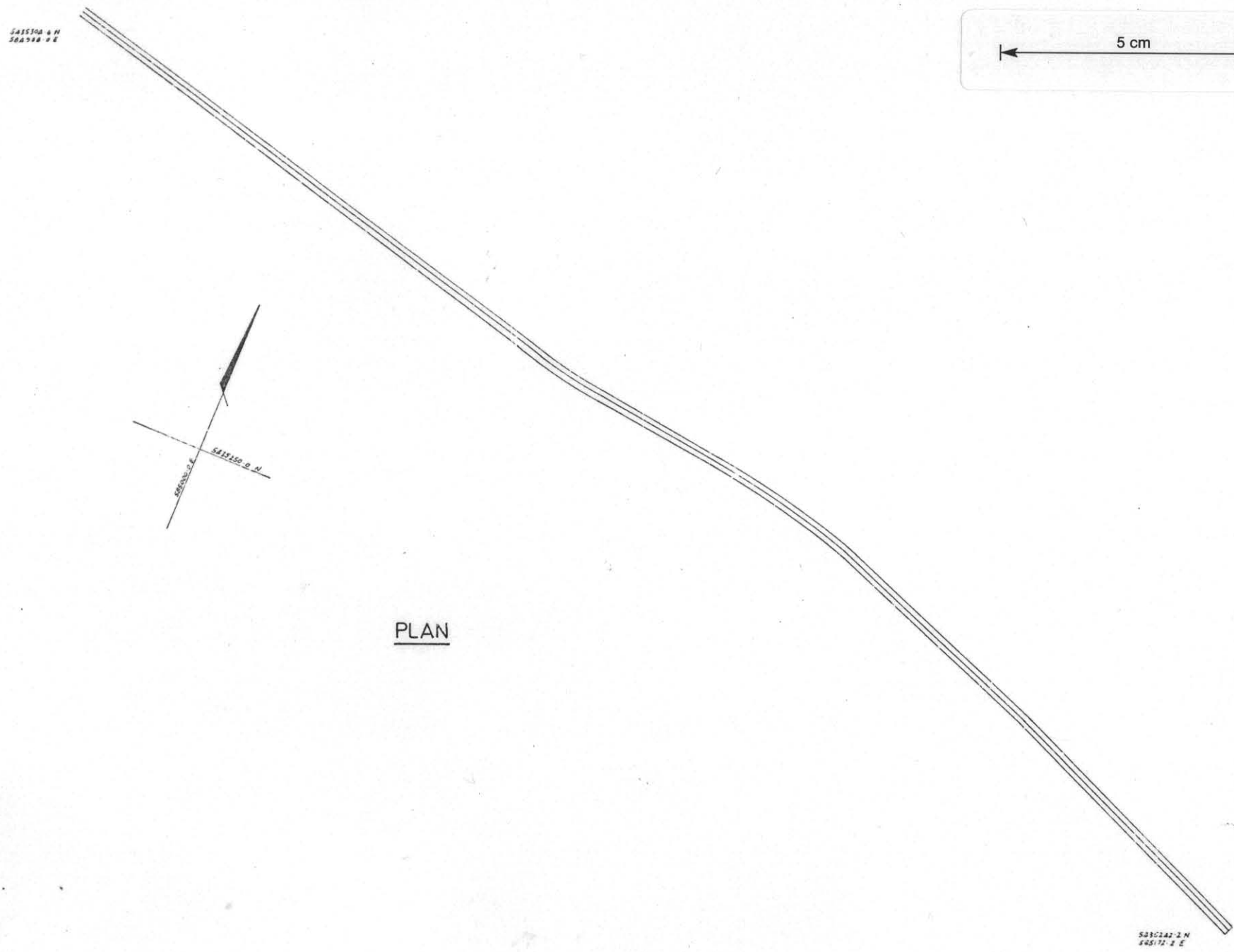
DIP PROFILE

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

HOLE No. : BT 51



NW/4



PLAN

S415222 2 N
445172 2 E

DIAMOND DRILL RECORD

HOLE NUMBER : BT 51

212206

LOGGED BY : AFR

212

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% Mn	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag
27.2	31.4		100	<u>FINE GRAINED GRANITE / GREISEN</u>		27.0	28.0	0.06	0.001	0.046	0.001	0.001	0.010	0.003	2	<0.01
							29.0	0.06	0.004	0.032	0.004	0.001	0.012	0.004	4	<0.01
				Colour gy-gn. Increase in alteration. Biotite & light gn musc. Gradational contacts. No vis. cass.			30.0	0.08	0.010	0.054	0.004	0.001	0.013	0.005	5	<0.01
							31.0	0.30	0.002	0.064	0.002	<0.001	0.011	0.001	5	<0.01
							32.0	0.12	0.004	0.054	0.002	0.001	0.010	0.003	2	<0.01
31.4	33.1		100	<u>FINE GRAINED GRANITE</u>		33.0	0.05	0.006	0.059	0.001	0.001	0.003	0.003	1	<0.01	
							34.0	0.14	0.015	0.077	0.001	0.001	0.013	0.008	6	<0.01
				Colour pink- white- light gy with little or no alt. Abundant pink feldspar.			35.0	0.25	0.003	0.073	0.001	0.001	0.012	0.007	3	<0.01
							36.0	0.43	0.011	0.034	0.001	0.001	0.012	0.007	4	<0.01
							37.0	0.35	0.009	0.036	0.001	0.001	0.012	0.009	4	<0.01
33.1	46.3		100	<u>FINE GRAINED GRANITE / GREISEN to FINE GRAINED GRANITE</u>		38.0	0.36	0.003	0.036	0.001	0.001	0.011	0.007	2	<0.01	
							39.0	0.27	0.003	0.073	0.001	0.001	0.010	0.006	3	<0.01
				Increase in alt. with biotite & light gn micas. Common pink-brn feldspar. No vis cass. up to 42m, one or two specks at 42m. Joints very rare, at 70°. Not very intensely alt.			40.0	0.04	0.006	0.105	0.001	0.001	0.011	0.002	1	<0.01
							41.0	0.21	0.006	0.030	0.001	0.001	0.011	0.006	3	<0.01
				From 44.0m, biotite & gn micas v. common; colour gy-gn. Tr. cass. only.			42.0	0.43	0.012	0.032	<0.001	0.001	0.011	0.002	7	<0.01
							43.0	0.06	0.003	0.123	<0.001	0.001	0.014	0.017	5	<0.01
							44.0	0.41	0.004	0.025	0.001	0.001	0.011	0.002	4	<0.01
							45.0	0.46	0.001	0.094	0.001	0.001	0.009	0.003	3	<0.01
46.3	47.9		100	<u>FINE GRAINED GRANITE / GREISEN</u>		46.0	0.34	0.001	0.123	0.001	0.001	0.012	0.004	4	<0.01	
							47.0	0.22	0.002		0.002	0.001	0.009	0.002	4	<0.01
				Colour gy-gn but with orange-brn Fe-staining thru'out & common joints at 60-70°. Micas as before. No vis. cass.			48.0	0.62	0.006		0.001	0.001	0.015	0.003	5	<0.01
							49.0	0.30	0.001		0.004	0.001	0.014	0.003	4	<0.01
							50.0	0.08	0.010		0.002	0.001	0.013	0.001	6	<0.01
47.9	52.6		100	<u>FINE GRAINED GRANITE / GREISEN</u>		51.0	0.23	0.013		0.004	<0.001	0.015	0.002	11	<0.01	
							52.0	0.09	0.010		0.014	0.001	0.015	0.019	11	<0.01
				Colour gy-gn with no Fe-staining; with biotite & common gn micas (musc-sericite). Sparse to common fine diss. cass			53.0	0.43	0.016		0.004	0.001	0.014	0.006	13	<0.01
				TR sulphides in diss. aggregates esp. at 43-49m. Rare accumulations of biotite at 50.5m & 51.0m, but with re definite structure or orientation. Rare clean joints thru'			54.0	0.22	0.001		0.002	0.001	0.014	0.002	4	<0.01
				-out at 60°. Coarse patchy biotite accumulation at 51.9m. No vis. cass. Very hard acc. to driller. Grades into:			55.0	0.33	0.025		0.004	0.001	0.012	0.003	6	<0.01
							56.0	0.44	0.017		0.010	0.001	0.015	0.006	5	<0.01
							57.0	0.34	0.001		0.015	0.002	0.033	0.021	8	<0.01
							58.0	0.16	0.001		0.011	0.001	0.013	0.004	5	<0.01
							59.0	0.07	0.012		0.001	0.001	0.015	0.004	7	<0.01
							60.0	0.57	0.001		0.006	0.001	0.015	0.002	2	<0.01
52.6	58.0		100	<u>FINE GRAINED GRANITE / GREISEN to FINE GRAINED GRANITE</u>		61.0	0.12	0.001		0.006	0.001	0.015	0.003	4	<0.01	
				Colour light gy-gn and a shade lighter than above. Perhaps less alt of feldspar. Joints common, at 50-60° & clean. Very rare & fine qtz-feldspar veinlets and a few wh'd veinlets & joints thru'out. Slightly softer acc. to driller. No vis cass. Grades into:												
58.0	61.05		100	<u>FINE GRAINED GRANITE & FINE GRAINED GRANITE / GREISEN</u>												

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DIAMOND DRILL RECORD

HOLE NUMBER : BT 51

212207

LOGGED BY : AFR

NWPS

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% Mn.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag
				Colour gy-gn and less wth'd and jointed. Rare talcy joint. Very siliceous and hard acc. to driller. Less than usual of green fine micas but Biotite present up to 60.5m then absent to 61.05m. Ultra siliceous pinky-white qtz-feldspar-gn mica rock from 60.5 to 61.05m with iridescent gn mica. No vis cass.		61.0	62.0	0.04	<0.001	0.163		0.001	0.024	0.007	4	
							63.0	0.25	0.001	0.159		0.002	0.101	0.015	7	
							64.0	0.60	<0.001	0.120		0.001	0.015	0.002	3	
							65.0	0.51	<0.001	0.161		0.001	0.058	0.007	4	
							66.0	0.12	0.002	0.185		0.001	0.268	0.013	5	
							67.0	0.40	0.001	0.110		0.001	0.046	0.004	3	
							68.0	0.03	0.001	0.103		0.001	0.093	0.002	2	
61.05	66.9	100		<u>FINE GRAINED GRANITE / GREISEN to QUARTZ - GREISEN</u>												
				Colour dk gy-gn with speckled appearance due to coarse platy micas as in BT 42 greisen. Coarse diss patches of bright green talc thru'out rock but not on joints. Tr diss grains cass., purple fluorite, v. rare moly & sulphides thru'out rock. In last 0.2m weak layering fabric at 45°.												
66.9	68.4	100		<u>TRANSITION ZONE</u>												
				From above rock type to Coarse Grained Granite. Upper contact defined by sharp qtz-feldspar vein at 40°.												
				<u>66.9-67.6m</u> : Light gy-gn variety of Fine Grained Granite / Greisen with white speckled texture and yell-gn alt. V minor tr. cass. Lower contact marked by 3 cm sharp qtz-feldsp. vein at 45°, with specks diss sulphide.												
				<u>67.6-67.9m</u> : Dark gy-gn Fine Grained Granite / Greisen with large patches irreg. feldspar. V. common gn alt. Grades into												
				<u>67.9-68.4m</u> : Shade lighter v. siliceous qtz- FGG/Grsa rock. No upper contacts or structure observable but grades into compact fine-med qtz-feldspar rock with distinct lower contact at 55°.												
68.4	92.2	100		<u>COARSE GRAINED GRANITE</u>												
				<u>68.4-70.25m</u> : Weakly altered with minor green clay patches. V. common joints. Few porphyritic patches. Grades into:												
				<u>70.25-73.5m</u> : Coarse to porphyritic. Less altered with very pink-brick red feldspar. Less jointed. Common veinlets of qtz-clay at 45-50°. At 76.6m, is a 10cm grey-white aplitic-greisen vein at 50°. Sharp contacts & weakly layered. Grades into:												
				<u>73.5-81.2m</u> : Colour pink gy-gn. Less biotite than above. Still coarse to porphyritic texture. Weakly alt. Bare qtz vein/veinlets at 40-55°. Tr fluorite on some joints, mostly at 55°												

Assays cont'd next page

DIAMOND DRILL RECORD

HOLE NUMBER : BT 51

212209

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NWPS

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INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	% Sn.													
				FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃		
		100.3-101.9m: Increase in biotite. Slightly alt FGG.GN alt thru'out. No vis cass. White-cream feldspar.		105.0	106.0	0.02											
		101.9-103.7m: As above but with slight pinkish tinge to feldspar. Biotite common, although spotted appearance. Joints common, at 30°. Lower contact diffuse & at 15°.			107.0	0.01											
		103.7-105.3m: White-light gn QF with v rare spotted biotite. Slight pink tinge to feldspar which increases with depth.			108.0	0.15											
					109.0	0.02											
					110.0	0.01											
					111.0	0.01											
105.3	110.3	100	FINE GRAINED GRANITE to FINE GRAINED GRANITE // GREISEN :		112.0	0.01											
					113.0	0.01											
			105.3-106.7m: Gradational contact. Slightly more biotite & pinking.		114.0	0.01											
			106.7-107.3m: Upper & lower contacts grad. but prob 30°. Gy-gn greisen with intense cass-mica vein at 107.0m. V coarse aggregates of cass., tr sulphides, tr fluorite with v coarse mica. Vein at 40-45°.		115.0	0.02											
			107.3-110.3m: Fgg with slight alt. Pinkish feldspar thru'out and diffuse coarse patches of greisen / qtz giving a blotchy appearance to rock.		116.0	0.02											
					117.0	0.02											
					118.0	0.11											
					119.0	0.25											
					120.0	0.06											
					121.0	0.04											
110.3	111.4	100	QUARTZ FELDSPAR; Upper contact gradational. Gy gn QF with spotted biotite and irreg feldspar patch at 110.6m. Lower contact diffuse, at 10°, marked by segregation of gn mica & cream feldspar. No vis cass.														
111.9	117.4	100	FINE GRAINED GRANITE to FINE GRAINED GRANITE / GREISEN;														
			111.9-114.0m: White-cream FGG with slight gy gn alt. V jointed at 35°. No vis minxl. Gn clayey greisen vein at 113.6 at 20°. Slight pink feldspar.														
			114.0-116.6m: AS above but with irreg patches of dk gn mica & feldspar & gn clay, in diffuse veinlets and blobs, with pegmatite affinities. Large spotty appearance.														
			116.6-117.4m: AS above with narrow peg veins. Diffuse, 60? Feldspars cream-white, Gradational lower contact.														
117.4	134.0	100	FINE GRAINED GRANITE / GREISEN:														
			117.4-119.2m: Dk gy gn greisen 'veins' in FGG/Gr with common sulphides. No vis cass. Few clayey joints. Lower contact diffuse, at 50?														

Assays con'd next page

DIAMOND DRILL RECORD

HOLE NUMBER BT 51

LOGGED BY AFR

212210

216

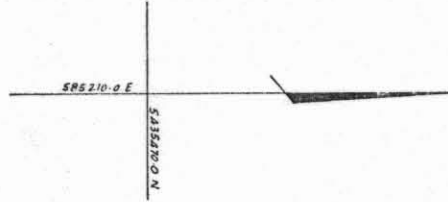
NWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	% Sn.													
				FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃		
		113.2-124.3m: White-cream to gy FGG/Gr with uniform texture. Slight gn alt thru'out. Joints rare, at 25°, 30°. Common diss sulphides at 123.6m.		121.0	122.0	0.18											
		124.3-123.0m: Very slight decrease in greisen content. FGG to FGG/GR. Diss Cu-sulphides v common from 126.7 to 127.6m. Clay filled joints present at 20°, 65°. Ebiotite common.		123.0	123.0	0.20											
		123.0-134.0m: Change to gy-gn alt and loss of biotite. Inc in gn alt. Core v BROKEN from 123.2 to 123.5m due to common joints at 30° and rotten core. Orange clay filled joints are common elsewhere. No vis sulphide. Increase in clay filled joints in last 2m. Grades into:		124.0	124.0	0.03											
				125.0	125.0	0.04											
				126.0	126.0	0.04											
				127.0	127.0	0.09											
				128.0	128.0	0.08											
				129.0	129.0	0.05											
				130.0	130.0	0.05											
				131.0	131.0	0.04											
				132.0	132.0	0.04											
				133.0	133.0	0.22											
134.0	136.3	100	APLITE / QUARTZ-FELDSPAR: Colour cream-white with minor gn alt. Common joints at 45°. Tr fluorite. BROKEN zone from 135.5 to 135.9m, with quartz fragments, preceded by gn clay zone for 15cms. Grades into:	134.0	134.0	0.27											
				135.0	135.0	0.05											
				136.0	136.0	0.09											
				137.0	137.0	0.23											
				138.0	138.0	0.02											
136.3	133.9	100	FINE GRAINED GRANITE / GREISEN: Colour gy-gn with minor biotite. GN alt thru'out. V rare cass. Less jointed. Few blobs coarse mica as greisen patches but these are 5-10mm. Grades into:	139.0	139.0	0.36											
				140.0	140.0	0.36											
				141.0	141.0	0.03											
				142.0	142.0	0.02											
				143.0	143.0	0.02											
133.9	139.3	100	PEGMATITE; Colour pinky-white with rare greisen patches & tr sulphides. Lower contact is definite but diffuse, at 35°.	144.0	144.0	0.02											
				145.0	145.0	0.06											
				146.0	146.0	0.03											
139.3	157.9	100	FINE GRAINED GRANITE to FINE GRAINED GRANITE / GREISEN;	147.0	147.0	0.02											
				148.0	148.0	0.02											
			139.3-142.3m: Colour white-gy with biotite present. White-cream feldspar. V minor gn alt. Joints common, at 50°. Gn clay alt parallel to joints in diffuse veinlets.	149.0	149.0	0.02											
				150.0	150.0	0.03											
			142.3-142.5m: More intense gn clay alt, as veinlets parallel to joints.	151.0	151.0	0.05											
				152.0	152.0	0.03											
				153.0	153.0	0.02											
			142.5-143.6m: As before. White-gy FGG to FGG/Gr. V minor alt. At 143.6m is a 1cm qtz-mica vein at 80°.	154.0	154.0	0.02											
				155.0	155.0	0.04											
			143.6-149.0m: White-gy FGG with rare gn alt parallel to joints and sometimes diss; joints commonly at 45°. No vis minxl.	156.0	156.0	0.02											
				157.0	157.0	0.02											
				158.0	158.0	0.01											
			149.0-149.7m: Slight increase in gn clay alt. FGG/GR.														
			149.7-157.9m: As before. FGG with gn alt in joints & rarely diss thru'out rock. Core BROKEN from 155.5 to 155.9m. Lower contact gradational.														

Assays cont'd next page

PLAN

5435422-0N
586208-1 E

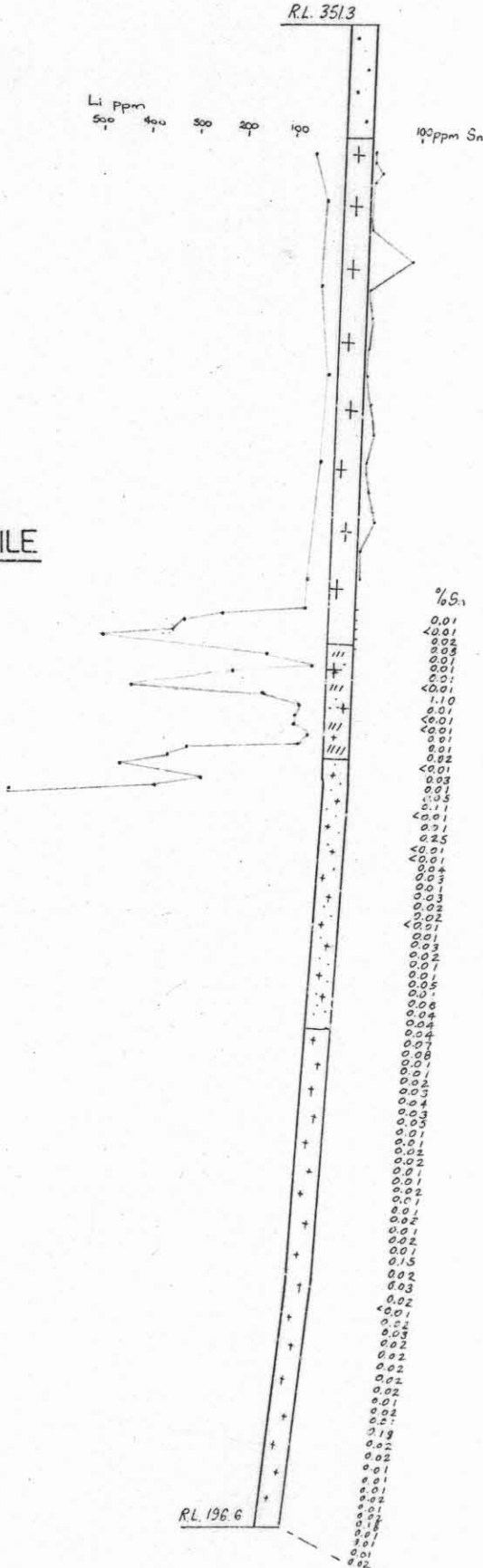


R.L. 351.3

Li ppm
500 400 300 200 100

% Sn

DIP PROFILE



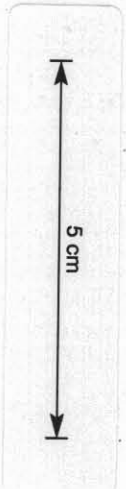
SCALE :



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212214

HOLE No. : BT 50



DIAMOND DRILL RECORD

212215

HOLE NUMBER : 8T 50

LOGGED BY : A. Ross

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
0	11.5	0.05	0.4	Orange-brown coarse sand and one fragment of coarse grained granite.												
11.5	63.9		100	PORPHYRITIC TO COARSE GRAINED GRANITE.												
				<u>11.5 - 12.8m</u> Weathered coarse grained granite.												
				<u>12.8 - 14.4m</u> Fresher to slightly weathered coarse grained granite. White "blue grey" with very slight greenish alteration. Copper ^{staining} on joint at 13.2m,												
				<u>14.4 - 17.0m</u> Core very broken. Reddish - pink coarse grained granite and minor grey-white coarse grained granite. Slight greenish alteration.												
				<u>17.0 - 23.6m</u> White "blue-grey" porphyritic granite with slight green alteration.												
				<u>23.6 - 23.75m</u> Grey green aplite vein. Contacts 45° to core axis.												
				<u>23.75 - 27.3m</u> White "blue grey" porphyritic granite. Very slight greenish alteration.												
				<u>27.3 - 27.0m</u> Slight pink tinge to above.												
				<u>27.0 - 27.05m</u> Coarse patches of black biotite and slight greenish alteration of above.												
				<u>27.05 - 27.4m</u> White - green coarse quartz-feldspar. Core broken												
				<u>27.4 - 31.0m</u> White porphyritic granite with slight pink tinge and very slight greenish alteration.												
				<u>31.0 - 35.0m</u> As above without pink tinge.												
				<u>35.0 - 38.02m</u> 2cm grey fine greisen vein at 20° to core axis with trace chalcopryrite. Diffuse contacts.												
				<u>35.02 - 36.6m</u> Porphyritic pink granite with slight greenish alteration.												
				<u>36.6 - 36.63m</u> 3cm grey greisen vein at 55° to core axis.												
				<u>36.63 - 37.65m</u> Pink-green altered porphyritic granite. Core crumbly.												
				<u>37.65 - 40.2m</u> White "blue grey" porphyritic granite with very slight pink tinge and green alteration.												
				<u>40.2 - 40.5m</u> Increase in pink tinge and slightly more greenish alteration.												
				<u>40.5 - 40.65m</u> Light grey-green aplite vein 30° to core axis.												
				<u>40.65 - 41.1m</u> Mixture of pink-green porphyritic granite and low angle (15°) ^{grey} Green greisen, quartz vein. Trace cassiterite.?												
				<u>41.1 - 43.0m</u> Pink-grey porphyritic granite with brick red alteration of some feldspars (noticeable rims on grains) and slight greenish alteration. Patch of pink medium grained pegmatite and one or two very narrow grey greisen/aplite veinlets at 20° to core axis. Trace chalcopryrite in veinlets.												
				<u>43.0 - 43.1m</u> At 45° to core axis. Fine grey greisen/aplite vein with coarse biotite.												

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DIAMOND DRILL RECORD

212217

 HOLE NUMBER . **BT 50**

 LOGGED BY : **A. Ross**

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.											
						FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃
				68.25 - 70.3m Complex zone of pink white aplite to medium grained quartz-feldspar rock and one or two narrow ^{pegmatite} veins at 60° to core axis. Rare fine greisen veinlets. Crude layering 60° to core axis.		68.7	69.7	1.19	0.014	0.001	<0.10	0.001	0.001	0.016	0.001	1	<0.01
						69.7	70.7	0.01	0.016	0.004	"	0.001	0.002	0.005	0.001	1	"
				70.3 - 71.2m Greenish-yellow aplite and fine grained granite/greisen		70.7	71.7	<0.01	0.004	0.002	"	0.001	0.002	0.007	0.002	<1	<0.01
				71.2 - 72.4m Pink-white indurated fine grained granite/aplite.		71.7	72.7	<0.01	0.012	0.002	"	0.006	0.002	0.006	0.007	1	"
				72.4 - 72.5m Grey-green greisen vein at 35° to core axis.													
				72.5 - 73.7m Light pink white fine grained granite/aplite. Diffuse grey veinlets. Grading to:		72.7	73.7	0.01	0.006	0.003	"	0.001	0.002	0.004	0.001	<1	<0.01
				73.7 - 75.4m Increase in pink colour. Mixture of pink fine grained granite-aplite and patch of greisen and grey greisen veinlets. Layering 90° to core axis.		73.7	74.7	0.01	0.012	0.002	"	0.001	0.002	0.005	0.001	<1	<0.01
						74.7	75.7	0.02	0.006	0.003	"	0.001	0.001	0.015	0.001	1	"
				75.4 - 75.6m Diffuse grey-green greisen-aplite and fine grained granite.		75.7	76.7	<0.01	0.010	0.005	"	0.003	0.001	0.011	0.002	1	<0.01
75.6	103.3	100		FINE GRAINED GRANITE, FINE GRAINED GRANITE/GREISEN and minor QUARTZ FELDSPAR, PEGMATITE.													
				75.6 - 75.8m White fine grained granite - quartz feldspar.													
				75.8 - 76.15m Biotite and pink pegmatite. Contacts 85° to core axis.													
				76.15 - 77.5m Pinky fine grained granite with acicular patchy biotite. One or two patchy greisen areas. One with chalcopyrite.		76.7	77.7	0.03	0.010	0.023	"	0.001	0.001	0.014	0.002	3	<0.01
				77.5 - 78.3m As above with low angle yellow kaolin clay veinlets and more grey greisen patches and patch grey quartz. Pink fine grained granite.		77.7	78.7	0.01	0.012	0.003	"	<0.001	0.001	0.011	0.001	<1	<0.01
				78.3 - 80.2m As above without clay veinlets. Diffuse patches of minor greisen in pink white fine to medium grained granite. Almost coarse in some places.		78.7	79.7	0.05	0.010	0.032	"	0.001	0.001	0.013	0.002	4	<0.01
						79.7	80.7	0.11	0.008	0.002	"	<0.001	0.002	0.005	0.001	<1	"
				80.2 - 80.6m Grey with yellow clay. Fine grained granite/greisen													
				80.6 - 81.5m Whiter, grey fine grained granite and fine grained granite/greisen. Crude layering at 70° to core axis.		80.7	81.7	<0.01	0.006	0.003	"	<0.001	0.002	0.005	0.001	1	<0.01
				81.5 - 85.8m Grey-white quartz-aplite to fine grained granite/greisen. Numerous yellow clayey veinlets. Very minor micas.		81.7	82.7	0.01	0.012	0.117	"	0.002	0.001	0.017	0.003	11	<0.01
						82.7	83.7	0.25	0.008	0.003	"	<0.001	0.002	0.006	0.001	<1	"
				85.8 - 86.0m Blotchy white - cream quartz pegmatite. Contacts 70° to core axis.		83.7	84.7	<0.01	0.008	0.002	"	0.001	0.001	0.005	0.001	<1	"
						84.7	85.7	<0.01	0.010	0.003	"	0.003	0.001	0.010	0.002	<1	"
				86.0 - 92.7m Mixture of pink-white-grey fine grained granite to fine grained granite/greisen with minor pegmatite patches quartz veins. Variations in grain size from fine grained granite to medium grained granite/greisen with rare coarse pegmatite veins. Layering at 80-90°. Base of interval marked by coarse pink quartz-feldspar.		85.7	86.7	0.04	0.013	0.005	"	0.001	0.001	0.011	0.001	1	"
						86.7	87.7	0.03	0.013	0.005	"	0.002	0.001	0.016	0.002	1	"
						87.7	88.7	0.01	0.011	0.001	"	0.008	0.001	0.007	0.002	<1	0.04
						88.7	89.7	0.03	0.011	0.002	"	0.001	0.001	0.008	0.001	1	<0.01
						89.7	90.7	0.02	0.008	0.002	"	0.002	0.001	0.010	0.001	<1	"
						90.7	91.7	0.02	0.008	0.001	"	0.001	0.002	0.007	0.001	1	"
						91.7	92.7	<0.01	0.013	0.003	"	0.001	0.002	0.008	0.001	<1	"
						92.7	93.7	0.01	0.008	0.002	"	0.002	0.002	0.005	<0.001	1	"

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DIAMOND DRILL RECORD

HOLE NUMBER : 6150

212218

LOGGED BY : A. Ross

224

INVS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.												
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃	
				92.7 - 98.5m As above, but with less pink colour. Almost white grey fine grained granite and minor fine grained granite/greisen with very rare coarse patches. Biotite very sparce. Verging on quartz-feldspar rock.		93.7	94.7	0.03	0.003	0.006	<0.10	0.002	0.001	0.010	0.002	1	<0.01	
						94.7	95.7	0.02	0.008	0.006	"	0.010	0.001	0.011	0.003	1	0.02	
						95.7	96.7	0.01	0.010	0.004	"	0.007	0.001	0.011	0.003	1	0.03	
						96.7	97.7	0.01	0.006	0.001	"	0.002	0.001	0.009	0.001	(4)	<0.01	
				98.5 - 102.2m As above with intense, clayey kaolin veinlets. Grey white fine grained granite to fine grained granite/greisen.		97.7	98.7	0.05	0.006	0.003	"	0.006	0.001	0.010	0.001	<(1)	0.01	
						98.7	99.7	0.01	0.006	<0.001	"	0.013	0.001	0.007	0.002	<(1)	0.01	
						99.7	100.7	0.06	0.007	0.003	"	0.002	0.001	0.014	0.001	<(1)	2	<0.01
				102.2 - 102.25m White fine grained granite and light grey coarse pegmatite.		100.7	101.7	0.04	0.008	0.005	"	0.002	0.001	0.013	0.001	1	"	
						101.7	102.7	0.04	0.005	0.003	"	0.002	0.001	0.010	0.002	1	"	
				102.25-103.3m White-cream ^{fine} fine grained quartz feldspar with minor spotted coarse biotite. Narrow (1cm) vein of biotite at 45° to core axis.		102.7	103.7	0.04	0.011	0.001	"	0.004	0.001	0.013	0.003	1	"	
																	<0.01	
103.3	155.0	100		FINE GRAINED TO MEDIUM GRAINED GRANITE.		103.7	104.7	0.07	0.011	0.005	"	0.001	0.001	0.014	0.012	2	<0.01	
				103.3 - 127.3m Grey-white fine grained granite. Very faint creamy pink tinge in places. Fairly indurated.		104.7	105.7	0.08	0.006	0.004	"	0.002	0.001	0.013	0.002	1	"	
						105.7	106.7	0.01	0.006	0.003	"	0.001	0.002	0.006	<0.001	1	"	
				127.3 - 127.4m Fine grained granite and very narrow (<1cm) quartz veinlets at 45° and minor fine grained granite/greisen.		106.7	107.7	0.01	0.006	0.004	"	0.001	0.001	0.011	0.001	1	0.02	
						107.7	108.7	0.02	0.006	0.004	"	0.001	0.001	0.009	0.003	1	0.01	
				127.4 - 133.8m White indurated fine grained granite.		108.7	109.7	0.03	0.003	0.001	"	<0.001	0.001	0.010	0.001	1	0.01	
				133.8 - 137.5m Abrupt change to medium grained granite. White, indurated. Same as above except for increase in grain size. Upper contact 85° to core axis.		109.7	110.7	0.04	0.003	0.002	"	0.001	0.001	0.009	0.001	1	<0.01	
						110.7	111.7	0.03	0.008	0.006	"	<0.001	0.001	0.010	0.001	1	"	
						111.7	112.7	0.05	0.003	0.003	"	0.001	0.001	0.011	0.002	1	0.01	
				137.5 - 137.53m Grey coarse quartz feldspar at 45° to core axis.		112.7	113.7	0.01	0.008	0.002	"	0.001	0.001	0.011	0.002	1	<0.01	
				137.53-139.6m As before. Medium grained granite. White, indurated		113.7	114.7	0.01	0.005	0.002	"	0.001	0.001	0.009	0.002	1	"	
				139.6 - 140.8m As above with minor low angle kaolin veinlets.		114.7	115.7	0.02	0.005	0.003	"	0.001	<0.001	0.011	0.002	1	"	
				140.8 - 155.0m As above without kaolin veinlets. Medium grained unaltered white granite. Slight pink tinge in parts.		115.7	116.7	0.02	0.010	0.004	"	0.001	<0.001	0.013	0.002	<1	"	
						116.7	117.7	0.01	0.005	0.003	"	0.001	<0.001	0.012	0.002	1	"	
						117.7	118.7	0.01	0.008	0.003	"	0.001	<0.001	0.013	0.002	<1	"	
				END OF HOLE.		118.7	119.7	0.02	0.012	0.002	"	0.001	<0.001	0.012	0.002	<1	"	
						119.7	120.7	0.01	0.012	0.003	"	<0.001	0.001	0.012	0.004	1	"	
						120.7	121.7	0.01	0.007	0.002	"	0.001	<0.001	0.013	0.002	1	"	
						121.7	122.7	0.02	0.010	0.003	"	0.001	<0.001	0.013	0.002	1	"	
						122.7	123.7	0.01	0.012	0.001	"	0.001	<0.001	0.011	0.001	1	"	
						123.7	124.7	0.02	0.012	0.003	"	0.001	<0.001	0.011	0.001	1	"	
						124.7	125.7	0.01	0.005	0.003	"	<0.001	0.001	0.011	0.001	1	"	
						125.7	126.7	0.15	0.005	0.028	"	0.009	0.002	0.017	0.007	4	0.01	
						126.7	127.7	0.02	0.005	0.002	"	0.001	0.001	0.010	0.001	1	<0.01	
						127.7	128.7	0.03	0.012	0.002	"	0.001	0.001	0.010	0.002	1	"	
						128.7	129.7	0.02	0.007	0.001	"	0.001	0.001	0.009	0.001	1	"	
						129.7	130.7	<0.01	0.013	0.002	"	<0.001	0.001	0.010	0.001	1	"	
						130.7	131.7	0.02	0.013	0.004	"	<0.001	0.001	0.011	0.001	1	"	
						131.7	132.7	0.03	0.009	0.003	"	0.001	0.001	0.013	0.001	1	"	
						132.7	133.7	0.02	0.013	0.003	"	0.001	0.001	0.011	0.001	1	"	

DIAMOND DRILL RECORD

212219

HOLE NUMBER : B.T. 50

LOGGED BY :

225

NWPS

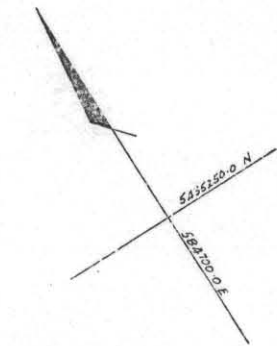
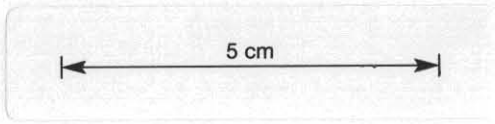
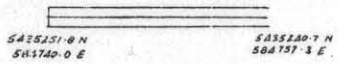
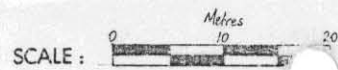
INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
		FROM	TO			m	%	FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.
						133.7	134.7	0.02	0.013	0.005	<0.10	0.002	0.001	0.016	0.002	2	<0.01
						135.7	0.02	0.004	0.002	"	0.001	0.001	0.013	0.002	1	"	
						136.7	0.02	0.009	0.002	"	0.001	0.001	0.013	0.001	<1	"	
						137.7	0.02	0.005	0.002	"	0.001	0.001	0.013	0.005	1	"	
						138.7	0.01	0.007	0.003	"	0.001	0.001	0.013	0.001	1	"	
						139.7	0.02	0.013	0.002	"	0.001	0.001	0.012	0.001	1	"	
						140.7	0.01	0.015	0.002	"	<0.001	0.002	0.012	0.002	1	"	
						141.7	0.19	0.012	0.002	"	"	0.001	0.010	0.002	1	"	
						142.7	0.02	0.011	0.003	"	"	0.001	0.012	0.001	<1	"	
						143.7	0.02	0.010	0.001	"	"	0.001	0.010	0.001	"	"	
						144.7	0.01	0.011	0.002	"	"	0.001	0.010	0.001	"	"	
						145.7	0.01	0.014	0.001	"	"	0.001	0.011	0.001	1	"	
						146.7	0.01	0.011	0.002	"	"	0.001	0.012	0.001	"	"	
						147.7	0.02	0.014	0.001	"	"	0.001	0.011	0.001	"	"	
						148.7	0.01	0.014	0.001	"	0.001	0.001	0.011	0.001	"	"	
						149.7	0.02	0.014	0.003	"	0.001	0.001	0.013	0.002	"	"	
						150.7	0.18	0.011	0.001	"	0.001	0.002	0.011	0.002	"	"	
						151.7	0.01	0.010	0.001	"	<0.001	0.002	0.011	0.001	<1	"	
						152.7	0.01	0.011	0.003	"	0.001	0.001	0.013	0.001	1	"	
						153.7	0.01	0.011	0.002	"	<0.001	0.002	0.012	0.001	"	"	
						154.7	0.02	0.011	0.001	"	0.001	0.002	0.009	0.001	"	"	

NWPS 29426

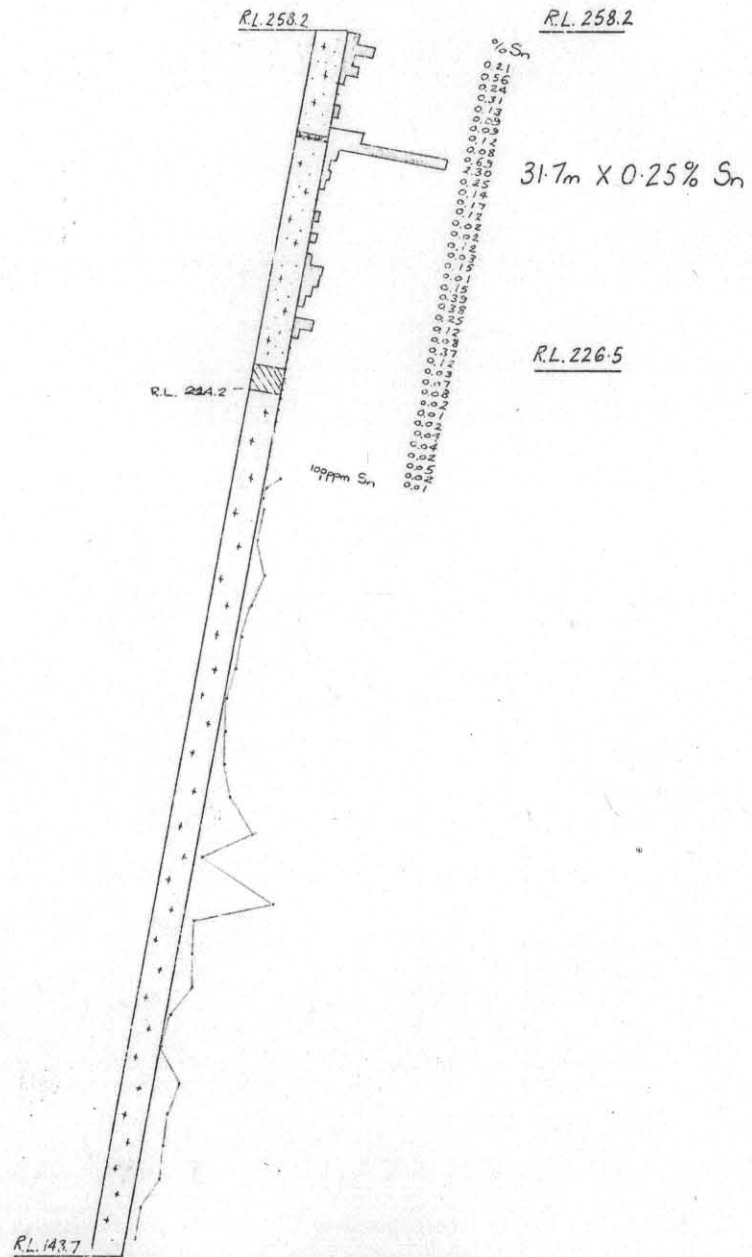
RENISON LIMITED DIAMOND DRILL HOLE PLOT

212221 HOLE No.: BT 49

227



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 49

212223

LOGGED BY : A. Ross.

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.															
						FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃				
31.6	34.75		100	TRANSITION and PEGMATITE.																	
				31.6 - 34.5m Slight pink to white grey fine grained granite/greisen to fine grained granite. Minor light green micas. Noticeable pink feldspars. Grading into:		32.0	33.0	0.02	0.017	0.001	<0.001	0.001	0.006	0.002	<1	<0.01					
						33.0	34.0	0.01	0.011	"	0.001	"	0.006	0.001	"	"					
				34.5 - 34.75m Pink quartz-feldspar and coarse pink pegmatite with minor light greenish alteration.		34.0	35.0	0.02	0.008	"	0.002	"	0.005	"	1	"					
34.75	116.3		100	FINE GRAINED GRANITE:																	
				34.75 - 35.35m Light pink to grey fine grained granite. Slight grey patches.																	
				35.35-35.40m Grey aplite vein, 45° to core axis.		35.0	36.0	0.04	0.011	0.001	0.004	"	0.008	0.003	<1	<0.01					
				35.4 - 37.0m Pink to greyish variety. Slight greisen development i.e. coarse dark micas in diffuse veinlets at 45°. Slight greenish alteration.		36.0	37.0	0.04	0.008	0.002	0.002	"	0.010	0.001	1	"					
				37.0 - 65.9m Mainly pink fine grained granite. One or two clayey veins. Becoming unaltered variety. Biotite granite Grading to slight white but mainly pink. Numerous joints commonly 60° to core axis and with kaolin clay or in rare case, with mauve fluorite.		37.0	38.0	0.02	0.006	0.001	0.001	0.001	0.006	0.002	<1	<0.01					
						38.0	39.0	0.05	0.006	<0.001	0.002	0.002	0.009	0.001	1	"					
						39.0	40.0	0.02	0.011	0.001	0.001	0.001	0.001	0.006	0.002	<1	"				
						40.0	40.9	0.01	0.006	"	"	"	0.006	0.001	"	"					
				65.9 - 66.2m As above with strong light green clay veinlets in unaltered pink fine grained granite.																	
				66.2 - 81.0m As before. Pink to white variety with no alteration. Highly jointed with minor green clay on joints. Slightly pinker after 69m.																	
				81.0 - 83.3m Slightly finer grained variety. Pink to white.																	
				83.3 - 87.9m Medium grained variety. Pink becoming coarser grained with occasional coarser to porphyritic fragments. Common green clay veinlets.																	
				87.9 - 87.95m Extra coarse grained, pink feldspar, grey quartz and with ^{minor} black biotite. Pegmatite. Contacts 75° to core axis.																	
				87.95 - 94.5m Pink equigranular variety. Common joint at 45° to core axis. No alteration.																	
				94.5 - 98.9m As above, but with numerous greenish clay veinlets and upon joints. Colour pink to occasional white.																	
				98.9 - 99.5m Increase in biotite and minor coarse to porphyritic granite. Mainly pink variety.																	
				99.5 - 105.6m Pink to white slightly coarser variety of fine grained biotite granite. Slight greenish alteration on joints and as veinlets.																	
				105.6-107.7m As above with increase in greenish clayey veinlets and on joints.																	

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RENISON LIMITED
DIAMOND DRILL HOLE PLOT

HOLE No. :

SCALE:

212225

231

NWPS 2443

	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT49 3.9m	<u>Altered Granite Gneiss</u> . Quartz 50% albite 20% muscovite 20-30% <u>pale to green biotite</u> 5-10%.	Granular to granitic vaguely banded.	Apatite topaz trace to minor <u>cassiterite</u> 2 ^o muscovite.	Muscovite largely interstitial with but partly replaces feldspar biotite topaz. Cassiterite sparse 50-300u intergranular loosely intergrown with muscovite.
10.4m	<u>Mineralised Mica Gneiss</u> . Muscovite 60-65% <u>pale to green biotite</u> 20-25% topaz 10-15% <u>cassiterite</u> 1-3%.	Coarse random mica intergranular and included topaz cassiterite.	Minor 2 ^o muscovite.	Quartz-free mica-rich segregation with patchy late muscovitisation of topaz. <u>Cassiterite</u> sized 50u-2mm (mean 250-500u).
11.8m	<u>Mineralised Granite Gneiss</u> . Quartz 50%, muscovite 20% <u>pale to green biotite</u> 15% albite 15% cassiterite 0.5% topaz 1%.	Granular to weakly granitic.	Minor 2 ^o muscovite carbonate.	Color zoned biotite partly overgrown by muscovite. Some 2 ^o muscovite after topaz albite Cassiterite 50-750u in muscovite.
13.0m	<u>Granite Gneiss</u> . Quartz 60-65% muscovite 20% albite 10-15% <u>green biotite</u> 5%.	Granular to weakly granitic muscovite largely interstitial	Minor trace topaz sphalerite 2 ^o muscovite carbonate.	Similar to 11.8m, minor 2 ^o muscovite after topaz biotite albite. No detectable cassiterite.

INTERVAL (m)		RECOVERY		DESCRIP	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.
0	6.8		100	Orange brown weathered COARSE GRAINED GRANITE												
6.8	6.9		100	Orange brown aplite vein.												
6.9	9.3		100	Orange brown weathered coarse grained granite to porphyritic granite.												
9.3	12.3		100	Less weathered, but core very broken, "blue-grey" white coarse grained to porphyritic granite.												
12.3	17.3		100	Orange-brown, more weathered coarse grained to porphyritic granite.												
17.3	17.4		100	Low angle, 20° to core axis, greyish brown aplite vein.												
17.4	23.2		100	Weathered coarse grained to porphyritic orange-brown to "blue-grey" white granite.												
23.2	25.7		100	Core loss. Crumbly quartz and weathered fragments.												
25.7	45.5		100	COARSE GRAINED GRANITE and minor APLITE												
				<u>25.7 - 33.0m</u> Mainly fresher coarse grained granite. Pink overall with minor greenish alteration of feldspars. Numerous minor broken core zones.												
				<u>33.0 - 33.2m</u> Broken light pink-grey aplite.												
				<u>33.2 - 33.5m</u> Pinkish coarse grained granite.												
				<u>33.5 - 34.0m</u> Broken core												
				<u>34.0 - 39.3m</u> Coarse pink coarse grained granite with slight greenish alteration. One or two minor aplite veins commonly at 45° to core axis.												
				<u>39.3 - 40.3m</u> Very broken coarse grained granite fragments.												
				<u>40.3 - 41.1m</u> Pink coarse grained granite and broken fragments.												
				<u>41.1 - 41.4m</u> Slight greenish aplite fragments.												
				<u>41.4 - 45.5m</u> Zone of very broken, slightly altered coarse grained granite and minor aplite and fresh coarse grained granite.												
45.5	45.9		100	APLITE												
				<u>45.5 - 45.8m</u> Grey greenish weakly layered aplite (similar to that in hole 42).												
				<u>45.8 - 45.9m</u> Diffuse pink aplite.												
45.9	47.3		100	PINK COARSE GRAINED GRANITE												
47.3	49.5		100	PEGMATITE, APLITE and TRANSITION TO FINE GRAINED GRANITE												
				<u>47.3 - 48.7m</u> Variety of diffuse pegmatite, greenish aplite and massive pink quartz. (Similar to zone in hole 42).												
				<u>48.7 - 49.5m</u> Transition from above to fine grained granite/gneiss. Crude layering at 80° to core axis. Patches of intense												

INTERVAL (m)		RECOVERY		DESCRIF	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.
				dark micas and fine grained granite/ greisen.													
49.5	81.6	100		<u>FINE GRAINED GRANITE/GREISEN and GREISEN</u>													
				<u>49.5 - 52.0m</u> Dark grey green fine grained granite/ greisen to greisen. Coarse dark micas. Trace molybdenite.		49.5	50.5	0.20	0.013	0.006	<0.10	0.001	0.001	0.015	0.011	1	<0.01
							51.5	0.42	0.007	0.020	"	0.002	<0.001	0.017	0.005	2	"
				<u>52.0 - 52.3m</u> Lighter fine grained granite/greisen. ← Patch of coarse greisen. Diffuse contacts.			52.5	0.35	0.007	0.012	"	0.002	<0.001	0.024	0.004	1	"
				<u>52.3 - 52.6m</u> Light grey to white fine grained granite/ greisen.													
				<u>52.6 - 53.0m</u> Dark grey fine grained granite/greisen.													
				<u>53.0 - 54.4m</u> Light grey green fine grained granite/ greisen. Core slightly broken. Patchy coarse micas. Mainly muscovite-sericite.			53.5	0.01	0.007	0.002	"	0.001	<0.001	0.012	0.003	<1	"
							54.5	0.02	0.007	0.003	"	<0.001	0.001	0.011	0.004	1	"
				<u>54.4 - 54.8m</u> Light grey green fine grained granite/ greisen.													
				<u>54.8 - 56.4m</u> Dark grey green fine grained granite/ greisen. Coarse platy micas. Trace moly. Trace very fine chalco. Trace cassiterite.			55.5	0.07	0.004	0.018	"	0.010	<0.001	0.062	0.005	3	0.02
				<u>56.4 - 56.5m</u> Lighter grey green fine grained granite/ greisen.			56.5	0.35	0.004	0.040	"	0.002	0.001	0.086	0.005	7	0.03
				<u>56.5 - 56.52m</u> Quartz mica vein at 90° to core axis.													
				<u>56.52-56.8m</u> Lighter grey green fine grained granite greisen. Core slightly broken.													
				<u>56.8 - 59.7m</u> Dark grey green fine grained granite/ greisen with several kaolin clay vein- lets. Coarse platy micas. Trace fine chalco.			57.5	0.09	0.002	0.093	"	0.003	0.001	0.37	0.004	14	<0.01
							58.5	0.06	"	0.17	"	0.011	"	0.62	0.014	30	0.02
							59.5	0.04	0.007	0.15	"	0.009	"	0.54	0.015	25	0.03
							60.5	0.02	0.011	0.091	"	0.006	<0.001	0.39	0.011	16	0.02
				<u>59.7 - 61.7m</u> Spotted green micas in white fine grain- ed granite. Coarse muscovite-sericite. Trace moly. Few kaolin veinlets.			61.5	0.01	0.007	0.077	"	0.011	0.001	0.41	0.012	10	0.02
							62.5	0.01	0.007	0.038	"	0.009	<0.001	0.093	0.016	6	0.02
				<u>61.7 - 63.3m</u> Darker grey-green fine grained granite/ greisen with trace moly, chalco. Coarser but with lighter muscovite -sericite. throughout.			63.5	0.03	0.002	0.040	"	0.007	0.001	0.030	0.009	6	<0.01
				<u>63.3 - 64.5m</u> Slightly finer grained fine grained granite/greisen. Pinky remnant feldspar? or very light cassiterite.			64.5	0.14	0.004	0.019	"	0.004	0.001	0.034	0.010	3	0.03
				<u>64.5 - 68.0m</u> Becoming coarser variety of grey-green fine grained granite/greisen with coarse platy micas. Quartz rich. Increasing mica content.			65.5	0.09	0.004	0.016	"	0.004	<0.001	0.037	0.006	3	0.01
							66.5	0.06	0.002	0.12	"	0.005	"	0.26	0.007	13	0.03
							67.5	0.09	0.004	0.18	"	0.003	"	0.37	0.005	24	0.01
				<u>68.0 - 68.5m</u> Coarse massive light green micas. Greisen. No visible sulphides, or cassiterite.			68.5	0.06	<0.002	0.17	"	0.003	0.001	0.66	0.011	20	<0.01
				<u>68.5 - 81.6m</u> Light green fine grained granite/greisen with minor biotite. No visible miner- alisation, except for specks of moly. Approaching weakly altered fine grained granite in places. Low angle kaolin clay veinlet in last 50 cms.			69.5	0.02	<0.002	0.034	"	0.002	0.001	0.33	0.005	5	"
							70.5	0.01	0.002	0.005	"	0.016	<0.001	0.026	0.008	2	"
							71.5	0.02	0.002	0.012	"	0.003	0.001	0.078	0.004	2	"
							72.5	0.04	0.004	0.002	"	0.003	"	0.013	0.008	1	"
							73.5	0.03	0.004	0.001	"	<0.001	"	0.017	0.007	1	"
							74.5	0.03	0.002	0.002	"	"	"	0.022	0.004	<1	"
							75.5	0.02	0.007	0.001	"	0.002	0.001	0.010	0.003	<1	"
							76.5	0.01	0.002	0.003	"	0.001	0.001	0.016	0.002	<1	"

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.
81.6	85.9		100	<u>FINE GRAINED GRANITE and FINE GRAINED GRANITE/GREISEN</u> <u>81.6 - 83.5m</u> Fine grained granite (white) to light green fine grained granite/greisen. Very minor alteration. Low angle grey quartz-kaolin vein for entire interval at 0° to core axis.		76.5	77.5	0.03	0.005	0.002	<0.10	0.002	0.001	0.011	0.003	<1	<0.01
				83.5 - 85.9m Becoming clay rich with little greisenisation. Fine grained granite. Core broken. Joints at 30° with common kaolin. Slightly more light green mica in last 1m.		78.5	79.5	0.01	<0.002	0.002	"	0.014	<0.001	0.016	0.011	1	"
						79.5	80.5	0.03	0.002	0.009	"	0.004	"	0.018	0.009	2	"
						80.5	81.5	0.01	0.005	0.023	"	0.001	"	0.024	0.006	2	"
						81.5	82.5	0.01	0.005	0.009	"	0.003	"	0.014	0.004	2	"
						82.5	83.5	0.01	0.007	0.002	"	0.001	0.001	0.014	0.003	<1	"
						83.5	84.5	0.02	0.005	0.004	"	0.002	"	0.024	0.003	"	"
						84.5	85.5	0.02	0.005	0.004	"	0.007	<0.001	0.013	0.005	"	"
						85.5		0.02	0.005	0.005	"	0.001	0.001	0.023	0.001	"	"
85.9	194.0		100	<u>FINE GRAINED GRANITE/GREISEN and GREISEN</u> <u>85.9 - 86.7m</u> Light grey fine grained granite/greisen with intense kaolin clay alteration.			86.5	0.02	0.002	0.013	"	0.002	0.001	0.064	0.001	2	"
				<u>86.7 - 87.6m</u> Darker fine grained granite/greisen with breccia? fragments and clay. Fault zone? Trace cassiterite.			87.5	0.03	0.007	0.025	"	0.002	0.001	0.42	0.002	3	"
				<u>87.6 - 95.1m</u> Light grey-green fine grained granite/greisen with common low angle clay veinlets and broken zones. No visible mineralisation.			88.5	0.03	0.007	0.010	"	"	<0.001	0.13	0.001	2	"
							89.5	0.01	0.005	0.027	"	"	"	0.16	0.002	4	"
							90.5	0.02	0.002	0.016	"	"	0.001	0.082	0.003	3	"
							91.5	0.02	0.005	0.007	"	0.001	<0.001	0.026	0.004	2	"
							92.5	0.01	0.007	0.007	"	0.002	"	0.030	0.003	1	"
							93.5	0.03	0.005	0.005	"	0.001	"	0.023	0.004	1	"
							94.5	0.30	0.007	0.002	"	"	"	0.003	0.004	<1	"
							95.5	0.06	0.002	0.004	"	"	"	0.029	0.003	1	"
							96.5	0.02	<0.002	0.012	"	0.004	"	0.054	0.005	3	"
							97.5	0.03	0.007	0.030	"	0.002	"	0.18	0.004	5	"
							98.5	0.03	0.007	0.015	"	0.001	<0.001	0.074	0.001	3 (3)	"
							99.5	0.01	0.007	0.001	"	0.001	<0.001	0.063	0.001	1 (2)	"
							100.5	0.03	0.004	0.014	"	<0.001	<0.001	0.078	0.003	14 (4)	"
							101.5	0.03	0.002	0.018	"	0.001	"	0.15	0.005	12 (5)	"
							102.5	0.20	0.002	0.051	"	0.001	<0.001	0.39	0.005	18 (9)	"
							103.5	0.06	<0.002	0.11	"	<0.001	"	0.48	0.005	26	"
							104.5	0.04	0.004	0.11	"	0.014	"	0.50	0.009	23	"
							105.5	0.08	0.004	0.075	"	0.004	0.001	0.16	0.005	18	"
							106.5	0.02	<0.002	0.011	"	<0.001	0.001	0.056	0.003	10	"
							107.5	0.03	<0.002	0.056	"	"	<0.001	0.34	0.004	13	"
							108.5	0.06	0.004	0.074	"	"	<0.001	0.32	0.006	15	"
							109.5	0.05	0.004	0.021	"	"	"	0.088	0.006	7	"
							109.6 - 109.9m										
							109.9 - 110.6m										
							110.5	0.03	0.002	0.082	"	"	0.001	0.16	0.007	14	"

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
110.6	111.9			Grey-green variety with slight trace mauve fluorite. Coarse platy light green muscovite-sericite micas.		110.5	111.5	0.03	<0.002	0.078	<0.10	0.001	0.001	0.33	0.007	13	0.01
111.9	112.3			Intensively altered, brecciated? clayey, granite fragments Fault? Light green in colour.													
112.3	113.6			Less altered, but with clayey-kaolin veinlets. Light grey-green fine grained granite/greisen.		112.5	113.5	0.03	<0.002	0.044	"	0.001	<0.001	0.19	0.002	9	0.02
113.5	115.2			Less grey, almost white fine grained granite/greisen with light green clayey veinlets. Common muscovite-sericite		114.5		0.04	0.021	"	"	<0.001	0.072	0.005	4	<0.01	
115.2	115.3			Darker grey fine grained granite/greisen with coarse dark micas.													
115.3	115.4			Light to almost white with speckled green micas. Approx 45° to core axis.													
115.4	115.6			Light grey fine grained granite/greisen with black to dark green coarse micas and light green micas. Grades into:		115.5		0.06	0.006	0.001	"	0.001	0.001	0.022	0.004	1	"
115.6	116.3			Light grey-green fine grained granite/greisen. Coarse light micas. Grades into:		116.5		0.01	0.006	0.001	"	0.001	<0.001	0.032	0.003	<1	"
116.3	116.5			White aplite grading to fine grained granite/greisen.													
116.5	117.1			Mixture of above and light grey fine grained granite/greisen. Clayey veinlets.													
117.1	119.5			White aplite with coarse light to dark green micas.		117.5		0.01	0.002	0.001	"	0.001	<0.001	0.026	0.003	<1	"
119.5	122.2			Dark grey-green fine grained granite/greisen. Intense alteration. Light green mica common as well as dark variety. Minor clayey alteration.		118.5		0.01	0.006	0.001	"	<0.001	"	0.053	0.003	<1	"
122.2	122.6			Light green massive micas. Clayey alteration. Greisen.		119.5		0.04	0.002	0.002	"	"	"	0.045	0.003	1	"
122.6	124.9			Intense alteration. Greisen to fine grained granite/greisen. Coarse and dark green micas. Minor clayey alteration. Common "iridescent" green alteration. Low angle clayey veinlets.		120.5		0.03	<0.002	0.012	"	0.001	"	0.080	0.005	3	"
124.9	127.1			Becoming lighter in colour, almost light brownish green, with common mauve fluorite. Greisen to fine grained granite/greisen.		121.5		0.05	0.002	0.001	"	"	0.001	0.029	0.003	<1	"
127.1	128.4			Grades into darker green greisen to fine grained granite/greisen, with very fine ground mass and a variety of micas and grain sizes. Coarse platy rosettes common. Few feldspar remnants.		122.5		0.03	<0.002	0.001	"	"	<0.001	0.012	0.001	<1	"
128.4	128.7			Light green to white, to ultra pink fine grained granite. May correlate with zone at base of greisen in hole 42.		123.5		0.04	0.002	0.001	"	0.001	<0.001	0.044	0.002	<1	"
128.7	129.7			Light grey-green fine grained granite/greisen. Minor pink feldspar remnants.		124.5		0.03	0.006	"	"	"	"	0.043	0.002	<1	"
						125.5		0.03	0.008	0.002	"	<0.001	<0.001	0.062	0.003	2	"
						126.5		0.03	0.004	0.001	"	"	0.001	0.049	0.002	2	"
						127.5		0.04	0.002	0.001	"	0.001	<0.001	0.034	0.014	1	"
						128.5		0.03	<0.002	0.001	"	"	"	0.022	0.003	1	"
						129.5		0.02	<0.002	0.001	"	0.001	<0.001	0.045	0.002	<1	"

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
129.7	130.1			Greisen to fine grained granite/greisen. Lower contact 45° to core axis. Coarse green micas in patches.													
130.1	130.45			Dark grey-green variety. Few pink feldspar remnants.		129.5	130.5	0.04	<0.002	0.001	<0.10	<0.001	0.001	0.031	0.003	2	<0.01
130.45	131.2			Greisen to fine grained granite/greisen. Dark green clayey greisen patches commonly at 50° to core axis.													
131.2	131.4			Light grey green fine grained granite/greisen.			131.5	0.03	0.006	0.022	"	0.001	<0.001	0.13	0.005	6	"
131.4	132.2			White grey variety.			132.5	0.01	0.004	0.003	"	<0.001	<0.001	0.051	0.005	2	"
132.2	135.2			White grey, slightly darker variety with light green micas. Few very narrow quartz veins at 30° to core axis. Several clayey veinlets.			133.5	0.01	0.002	0.001	"	0.001	"	0.013	0.004	4	"
							134.5	0.01	<0.002	"	"	<0.001	"	0.014	0.005	"	"
							135.5	0.01	0.004	"	"	0.001	0.001	0.019	0.004	"	"
135.2	138.7			As above without quartz veins.			136.5	0.01	0.004	"	"	"	"	0.011	0.004	"	"
138.7	148.3			Light grey-green, with varying intensities to almost white fine grained granite to fine grained granite/greisen. Last 50cm with kaolin veinlets at low angle.			137.5	0.01	0.006	"	"	"	"	0.012	0.004	"	"
							138.5	0.01	0.002	<0.001	"	"	<0.001	0.013	0.003	"	"
							139.5	0.01	<0.002	"	"	0.003	"	0.016	0.004	"	"
							140.5	0.01	0.002	"	"	0.001	"	0.014	0.003	"	"
148.3	148.65			Darker grey variety.			141.5	0.01	<0.002	"	"	"	"	0.015	0.004	"	"
148.65	149.3			White aplite with speckled dark green micas. Kaolinised. Upper contact diffuse.			142.5	0.01	<0.002	"	"	"	"	0.015	0.004	"	"
							143.5	0.01	0.002	"	"	0.002	"	0.033	0.003	"	"
							144.5	0.01	<0.002	"	"	0.001	"	0.026	0.003	"	"
149.3	149.8			Orange white, speckled brown fine grained quartz feldspar.			145.5	0.01	0.002	0.001	"	"	"	0.038	0.005	"	"
							146.5	0.01	0.004	<0.001	"	<0.001	"	0.017	0.005	"	"
149.8	150.9			Very broken grey fine grained granite/greisen and talcy clay.			147.5	0.01	0.004	"	"	"	"	0.017	0.005	"	"
							148.5	0.01	0.002	"	"	"	"	0.008	0.001	"	"
150.9	151.7			As above. Less broken. Pink and green alteration.			149.5	0.01	0.002	0.002	"	"	0.001	0.027	0.002	"	"
							150.5	0.03	0.022	<0.001	"	"	"	0.042	0.002	1	"
151.7	152.5			Grey fine grained granite/greisen. Coarse platy micas.			151.5	0.04	0.016	"	"	"	"	0.033	0.002	<1	"
							152.5	0.03	0.013	"	"	"	"	0.017	0.005	1	"
152.5	154.2			Lighter grey fine grained granite/greisen. Few minor kaolin veinlets.			153.5	0.02	0.006	"	"	0.001	"	0.017	0.002	<1	"
							154.5	0.03	0.010	"	"	<0.001	"	0.019	0.001	"	"
154.2	154.7			White to grey fine grained granite/greisen with spotted green micas.													
154.7	155.0			Clay rich alteration of above.													
155.0	156.6			As before, white to grey fine grained granite/greisen with spotted green micas.			155.5	0.03	0.006	0.001	"	0.001	0.001	0.025	<0.001	<1	"
							156.5	0.03	0.013	<0.001	"	<0.001	"	0.023	"	"	"
156.6	157.7			Grey to green fine grained granite/greisen to greisen. Core slightly broken and with development of clay. Few pinkish zones.			157.5	0.03	0.010	<0.001	"	0.001	0.001	0.032	0.001	<1	"
							158.5	0.10	0.013	<0.001	"	<0.001	0.001	0.044	0.001	1	"
157.7	158.4			Noticeably pink fine grained granite/greisen with spotted green micas.			159.5	0.03	0.006	<0.001	"	<0.001	0.001	0.024	0.001	<1	"
158.4	159.5			Grey-green fine grained granite/greisen. Broken core for first 10cms.			160.5	0.02	0.010	<0.001	"	0.001	0.001	0.029	0.001	<1	"
159.5	160.5			Spotted dark green, grey-white fine grained granite/greisen.			161.5	0.03	0.006	0.001	"	0.001	0.001	0.020	0.001	1	"
160.5	161.4			More even coloured grey-green fine grained granite/greisen.			162.5	0.03	0.006	<0.001	"	0.001	0.001	0.030	0.001	<1	"
161.4	163.2			Spotted dark green, grey-white to grey green fine grained granite/greisen. Coarse green micas.			163.5	0.03	0.013	"	"	0.001	"	0.032	"	1	"

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212234

HOLE No. :

SCALE :

240

NWPS 2451

	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT48 51.2m	Mineralised Grainite Greisen Quartz 40% albite 25-30% muscovite 25-30% <u>green</u> biotite 5-10%.	Granitic with coarse interstitial muscovite	Minor topaz trace apatite <u>Cassiterite</u> . Minor carbonate trace chalcop- pyrite.	Abundant late muscovite partly overgrowth replacement of biotite (with carbonate) Cassiterite sparse 20-350u grains often in muscovite.
59.0m	Mineralised Greisen. Quartz 50% <u>green</u> biotite 20% muscovite 10-15% topaz 15-20%.	Granular quartz topaz with coarse random biotite.	Sphalerite (approx. 1%) trace <u>cassiterite</u> minor trace <u>ruby</u> <u>silver</u> chalcopyrite 2 ⁰ muscovite carbonate	Similar to BT44 32.0m with abundant 2 ⁰ muscovite replacing biotite topaz. Cassiterite as very rare 10-60u particles in muscovite.
67.8m	Mineralised Greisen Quartz 65-70% <u>green</u> biotite 10-15% muscovite 10-15% topaz 2-3%.	Similar to 59.0m.	Sphalerite (1-2%) small trace cassiterite, chalcopyrite. Abundant 2 ⁰ muscovite.	Muscovite largely of late to secondary habit replaces topaz earlier biotite. Cassiterite as very rare 20-40u particles in muscovite.
101.7m	Altered Mineralised Granite Greisen. Quartz 60% (altered) ?albite 15% muscovite 20% <u>green</u> biotite 5%.	Granular to vaguely granitic.	Sphalerite (1%) trace apatite, topaz, chalcopyrite 2 ⁰ muscovite carbonate.	Feldspar poor granitic greisen phase with ?albite completely muscovitised. Biotite similarly altered, no detectable cassiterite.
104.2m	Altered Mineralised Granite Greisen. Quartz 50% (altered) ?albite 15% muscovite 10% <u>green</u> biotite 20-25% topaz 2-3%.	Vaguely granitic with coarse random biotite.	Apatite sphalerite (0.5%) trace chalco- pyrite 2 ⁰ muscovite carbonate.	Similar to 101.7m but relatively abund- ant biotite topaz. Feldspar completley and topaz biotite partly muscovitised. No detectable cassiterite.

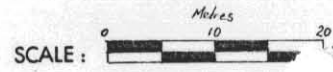
NWPS 29406

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

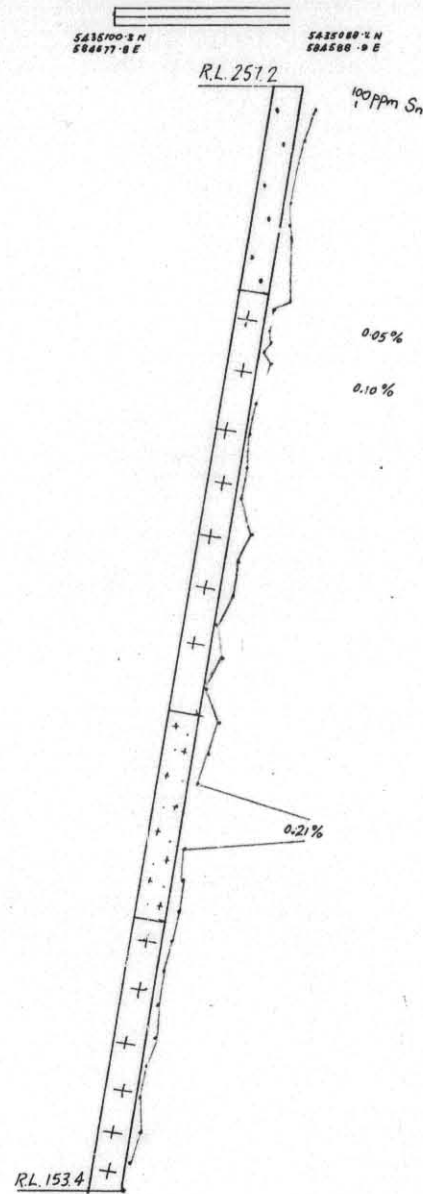
212236

HOLE No.: B.T.47

242



DIP PROFILE



TIWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	ANALYSIS												
				FROM	TO	TOTAL	% Sn.	% STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
0 - 3.0	-	Coarse orange-brown sand.		1	2	30			0.001		0.001	0.001	0.008	0.002		
3.0 - 5.5	2.0 80	Fragments of weathered coarse grained biotite granite.		4	5	20					0.001	0.002	0.008	0.001		
5.5 - 6.7	-	Sand.														
6.7 - 7.8	0.4 30	Weathered coarse grained granite fragments.														
7.8 - 9.0	-	Sand.														
9.0 - 9.1	100	Weathered coarse grained granite fragments.														
9.1 - 9.7	-	Sand.														
9.7 - 10.8	0.5 45	Weathered coarse grained granite fragments.		10	11	10			0.001		0.001	0.001	0.008	0.001		
10.8 - 11.4	-	Sand														
11.4 - 12.6	0.9 75	Weathered fragments coarse grained granite		12	13	15			0.001		<0.001	0.001	0.007	0.001		
12.6 - 13.1	-	Sand.														
13.1 - 13.8	0.5 71.4	Weathered fragments coarse grained granite.		13	14	25			0.001		0.001	0.001	0.009	0.002		
13.8 - 18.5	-	Sand.														
18.5 - 19.5	-	Weathered coarse grained granite fragments and sand. Minor fragments white aplite.														
19.5 - 59.6	100	COARSE GRAINED TO PORPHYRITIC BIOTITE GRANITE and minor APLITE; FINE GRAINED GRANITE:		19	20	40			<0.001		0.001	0.001	0.011	0.001		
		19.5 - 22.0m: Less weathered coarse grained granite (orange-white grading to white) with very minor amount of greenish alteration.		20	21	10					<0.001	0.002	0.007	<0.001		
		22.0 - 25.4m: "Blue-grey" white coarse grained biotite granite.		21	22	500					0.001	<0.001	0.011	0.005		
		25.4 - 25.5m: White quartz-feldspar. 85° to core axis.		22	23	10			0.001		<0.001	0.002	0.007	0.001		
		25.5 - 40.3m: "Blue-grey" white coarse grained to sub-porphyrific biotite granite. Few reddish joints.		23	24	20			<0.001			0.002	0.008	<0.001		
		40.3 - 40.5m: Brick reddish alteration of above.		24	25	10			0.001		0.001	0.001	0.008	"		
		40.5 - 41.4m: Light green, weakly altered fine grained granite/greisen. Minor (2cm) of pegmatite and clayey alteration at upper contact.		25	26	25			"		"	"	0.007	"		
		41.4 - 41.6m: Pink to red coarse grained granite.		26	27	1000			"		"	"	0.011	0.003		
		41.6 - 42.1m: Grey greenish fine grained granite/greisen and minor coarse grained granite.		27	28	5			"		<0.001	"	0.006	0.001		
		42.1 - 42.9m: Reddish sub-porphyrific coarse grained granite.		28	29	45			"		"	"	"	<0.001		
		42.9 - 43.4m: Grey greenish fine grained granite/greisen. Weak greenish alteration. Upper contact and lower contact, 75° to core axis.		29	30	10			<0.001		0.001	"	"	0.007	0.001	
		43.4 - 44.0m: White "blue grey" coarse grained granite with slight reddish colour at upper contact.		30	31	10			0.001		"	"	0.006	"		
				31	32	25			"		"	"	0.006	<0.001		
				32	33	25			"		"	"	0.005	"		
				33	34	10			"		"	"	0.006	0.001		
				34	35	10			"		"	"	0.006	0.001		
				35	36	10			"		"	"	0.006	0.001		
				36	37	10			"		"	"	0.006	0.001		
				37	38	10			"		"	"	0.006	0.001		
				38	39	10			"		"	"	0.006	0.001		
				39	40	10			"		"	"	0.006	0.001		
				40	41	10			"		"	"	0.006	0.001		
				41	42	10			"		"	"	0.006	0.001		
				42	43	10			"		"	"	0.006	0.001		
				43	44	10			"		"	"	0.006	0.001		
				44	45	10			"		"	"	0.006	0.001		
				45	46	10			"		"	"	0.006	0.001		
				46	47	10			"		"	"	0.006	0.001		
				47	48	10			"		"	"	0.006	0.001		
				48	49	10			"		"	"	0.006	0.001		
				49	50	10			"		"	"	0.006	0.001		
				50	51	10			"		"	"	0.006	0.001		

212240
246

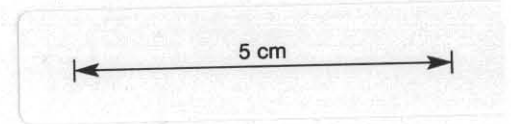
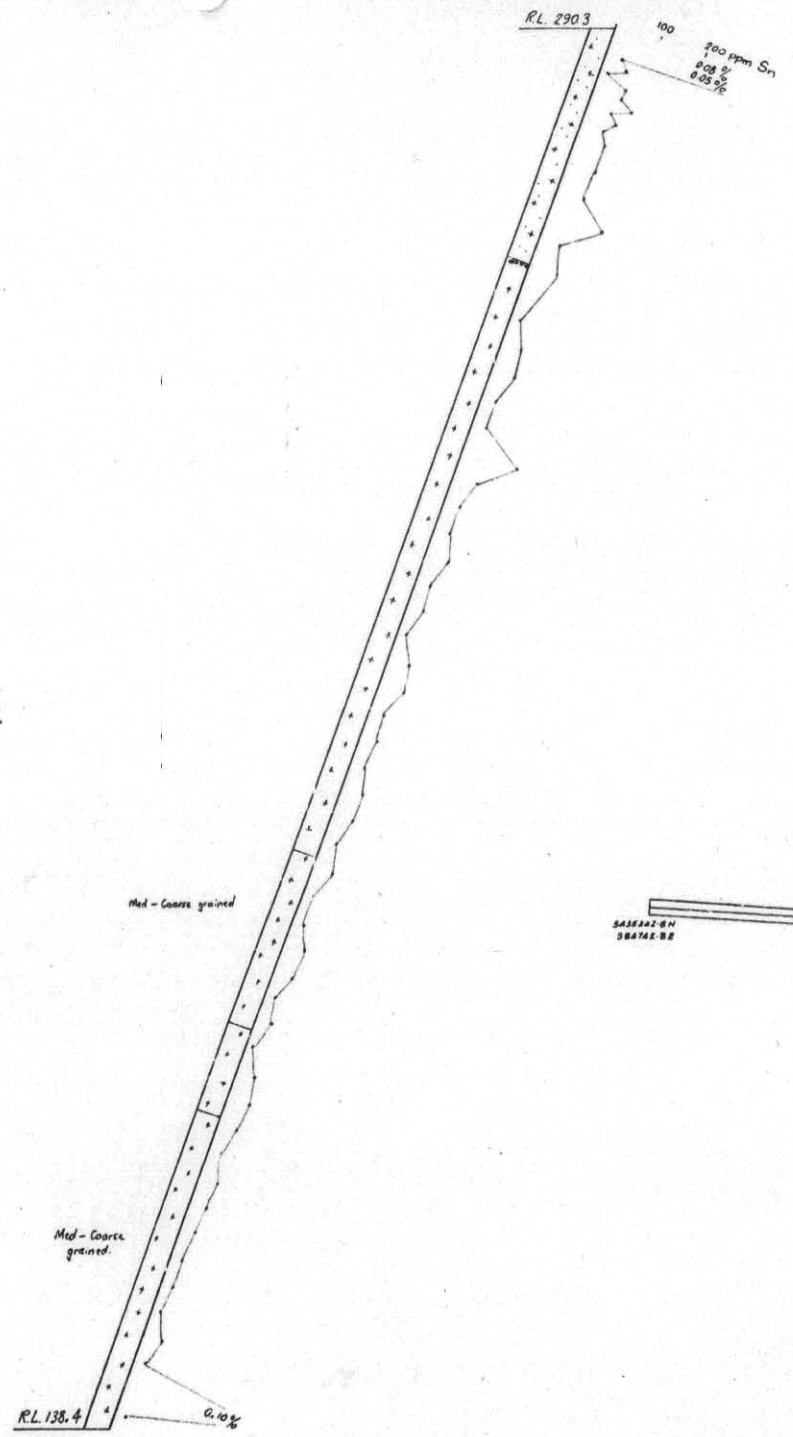
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

HOLE No.: B.T.46

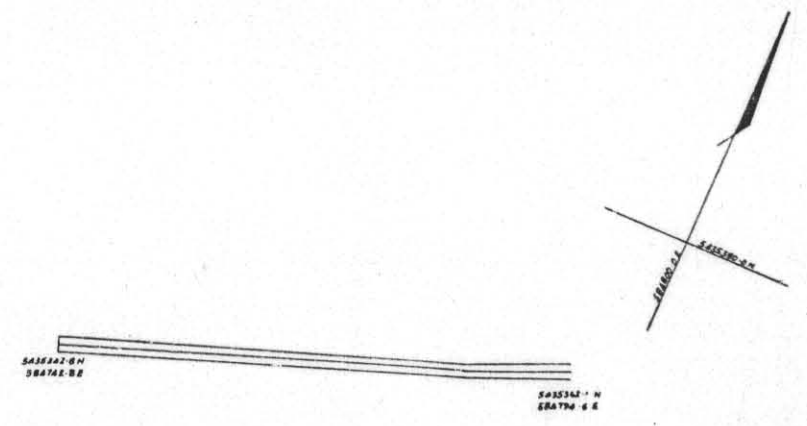


NWPS 28408

DIP PROFILE



PLAN



NWFS 29406



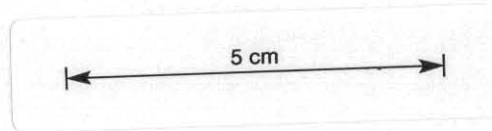
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212245

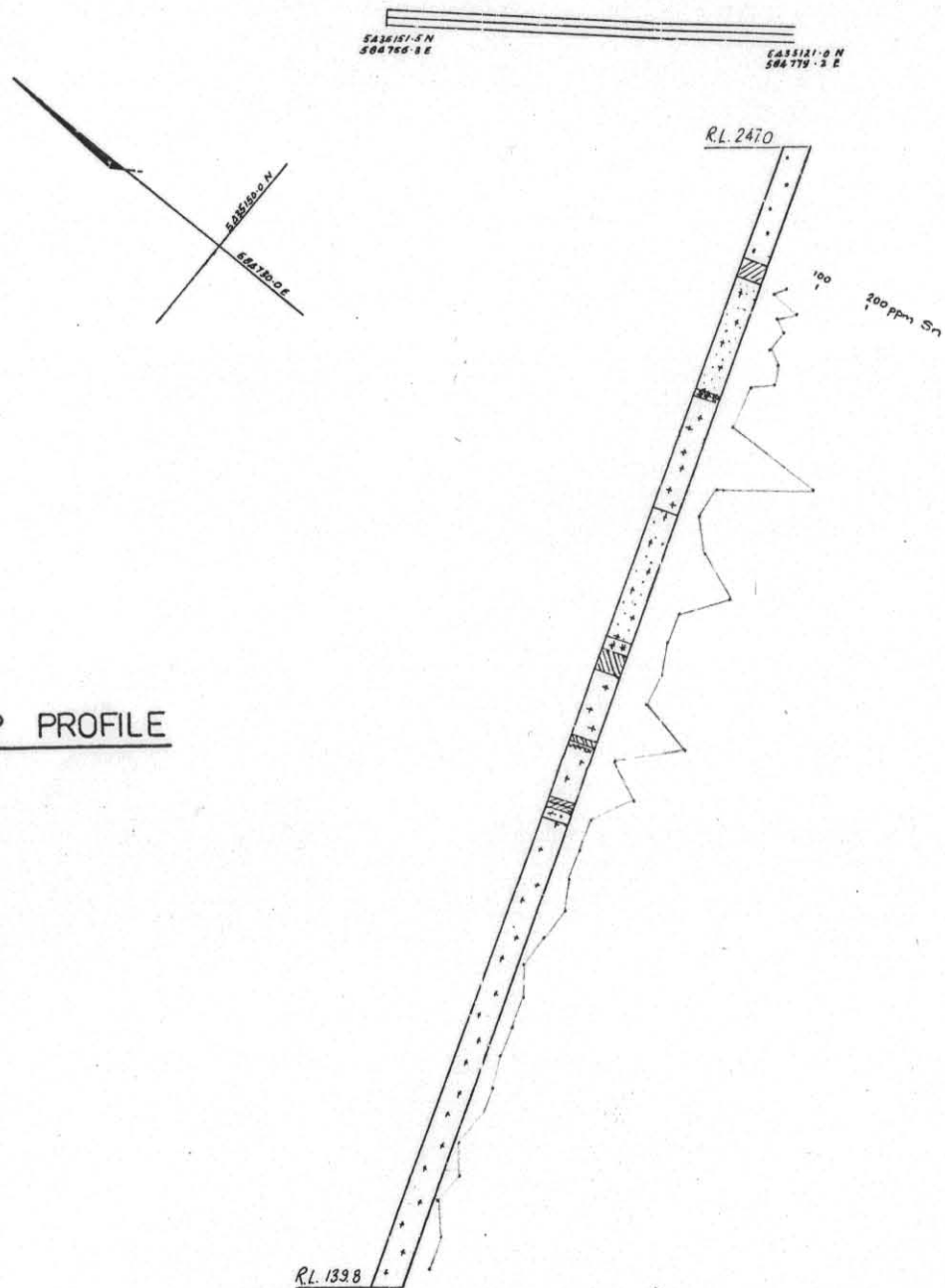
HOLE No. : B.T. 45

251

PLAN



DIP PROFILE



NWFS 28406

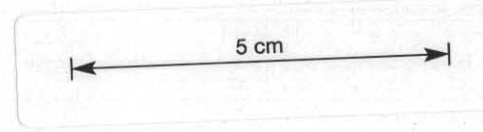
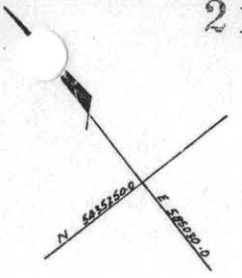
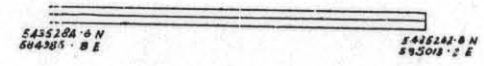
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212250 HOLE No.: BT. 44

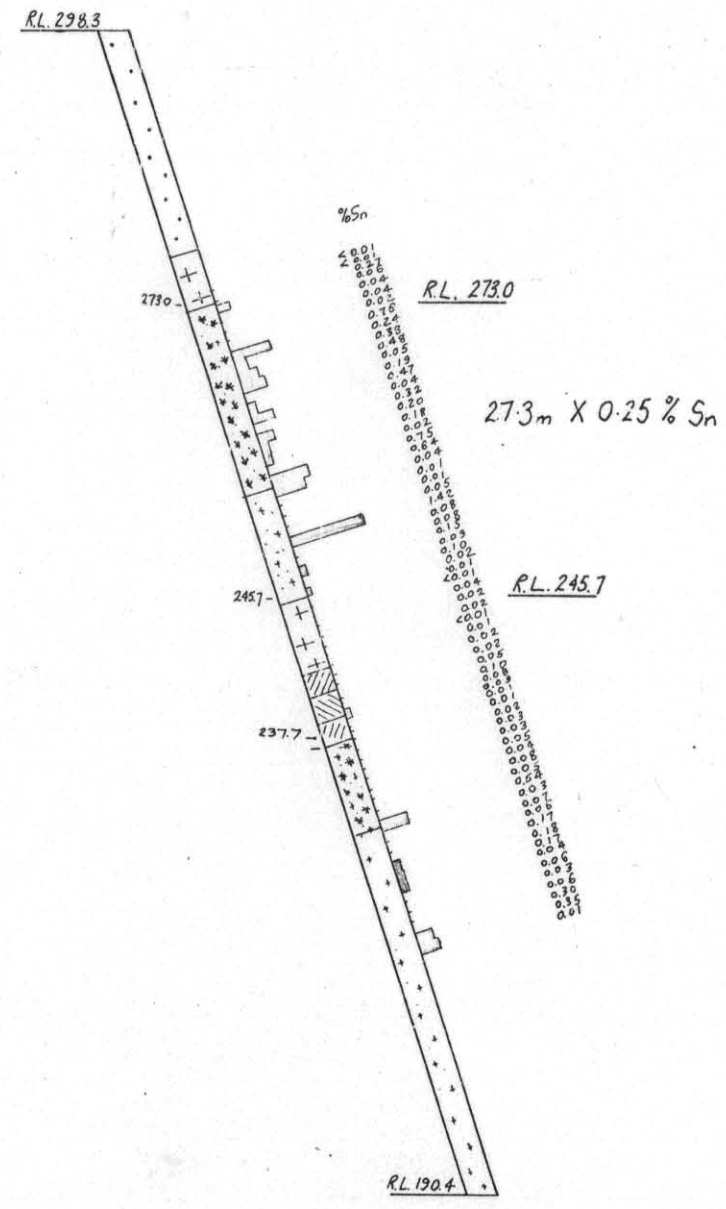
256



PLAN



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 44

212251

LOGGED BY : A. ROSS

257

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	%		% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
0	21.4	0.1	0.5	Sand derived from granite. Orange brown. 10cms of weathered core.														
21.4	26.75		100	COARSE GRAINED GRANITE.														
	21.4 - 24.4m			White with pink and green alteration. Coarse grained to porphyritic granite.		21.5	22.5	20ppm	0.003	<0.001	<0.001	0.001	0.011	0.001	<1			
	24.4 - 25.3m			Grey fine greisen and patchy quartz, and slight pink coarse grained granite.		22.5	23.5		0.002	"	"	"	0.008	0.001	<1			
	25.3 - 26.75m			Altered coarse grained granite with brick red alteration of feldspars and light green coarse micas.		23.5	24.5	60ppm	0.002	"	"	"	0.009	<0.001	<1			
						24.5	25.5		0.002	"	"	"	0.013	0.001	<1			
						25.5	26.5	<0.01	0.003	0.001	<0.10	<0.001	0.001	0.007	0.004	<1	<0.01	
						26.5	26.75	<0.01	0.006	0.003	"	0.001	0.002	0.007	<0.001	<1	"	
26.75	44.8		100	GREISEN:														
	26.75 - 27.35m			Dark grey green greisen with trace cassiterite and slight pink altered granite.		26.75	27.5	0.27	0.006	0.055	"	0.001	0.001	0.014	0.010	11	0.02	
	27.35 - 27.5m			Massive grey quartz and coarse micas. Pegmatite? Trace cassiterite.														
	27.5 - 31.7m			Dark green greisen and minor fine granite/greisen. Trace moly. Trace cassiterite. Coarse black-green micas.		27.5	28.5	0.08	0.005	0.44	"	<0.001	0.001	0.32	0.003	84	<0.01	
	31.7 - 32.9m			Speckled coarse dark green greisen. Trace bornite, cassiterite, chalcopyrite. Trace moly. Common platy micas.		28.5	29.5	0.04	0.003	0.33	"	<0.001	0.001	0.29	0.004	61	"	
	32.9 - 35.4m			Lighter green greisen. Trace moly, bornite. Trace cassiterite.		29.5	30.5	0.04	0.005	0.003	"	<0.001	0.001	0.012	0.001	<1	"	
	35.4 - 38.5m			Fine grained granite/greisen with lighter green micas. Patchy darker micas. No visible mineralisation.		30.5	31.5	0.02	0.003	0.25	"	<0.001	0.001	1.1	0.003	36	"	
	38.5 - 43.5m			Darker variety of above. Grey-green. No visible mineralisation.		31.5	32.5	0.16	0.011	0.17	"	0.006	0.001	0.11	0.005	20	0.04	
	43.5 - 44.4m			Dark coarse greisen. Crude layering 55° to core axis. Slight reddish feldspar?		32.5	33.5	0.24	0.012	0.077	"	0.017	0.001	0.063	0.003	10	0.01	
	44.4 - 44.8m			Lighter green fine grained granite/greisen with sericite/muscovite. Grades into:		33.5	34.5	0.32	0.006	0.34	"	0.002	0.001	1.1	0.013	72	0.02	
						34.5	35.5	0.48	0.005	0.005	"	0.001	0.001	0.025	0.004	2	<0.01	
						35.5	36.5	0.05	0.003	0.008		0.003	0.001	0.024	0.010	2	0.03	
						36.5	37.5	0.12	0.006	0.007		0.003	<0.001	0.028	0.008	1	0.01	
						37.5	38.5	0.47	0.003	0.005		0.001	<0.001	0.023	0.003	<1	<0.01	
						38.5	39.5	0.04	0.003	0.019		0.001	0.001	0.058	0.003	30	"	
						39.5	40.5	0.32	0.003	0.007		"	"	0.012	0.002	1	"	
						40.5	41.5	0.20	<0.001	0.011		"	"	0.014	0.002	2	"	
						41.5	42.5	0.18	0.003	0.001		"	"	0.013	0.002	<1	"	
						42.5	43.5	0.02	<0.001	0.007		<0.001	"	0.009	0.002	<1	"	
						43.5	44.5	0.15	0.003	0.004		0.010	"	0.006	0.005	1	"	
44.8	55.3		100	FINE GRAINED GRANITE/GREISEN														
	44.8 - 55.3m			Pink to grey fine grained granite with slight green alteration. Reddish pink feldspar?		44.5	45.5	0.64	0.003	0.001		0.001	0.001	0.009	0.003	<1	0.01	
				After 49m becoming slightly porphyritic. Very coarse micas in rare patches. Very coarse cassiterite? at 50.2m in irregular blob.		45.5	46.5	0.04	0.003	0.001		<0.001	"	0.011	0.001	<1	<0.01	
				Less porphyritic to fine grained granite after 51m. Greenish-grey fine alteration intense for 10cms at base.		46.5	47.5	0.01	0.001	0.001		"	"	0.010	0.001	<1	"	
						47.5	48.5	0.01	0.003	0.011		"	"	0.018	0.001	<1	"	
						48.5	49.5	0.05	0.003	0.003		"	0.002	0.011	0.003	2	"	
						49.5	50.5	1.42	0.004	0.002		0.002	0.002	0.013	0.002	<1	"	
						50.5	51.5	0.08	0.003	0.003		0.001	0.002	0.017	0.002	<1	"	
						51.5	52.5	0.08	0.001	0.004		0.002	0.001	0.012	0.001	<1	"	
						52.5	53.5	0.15	0.003	0.006		0.001	"	0.008	0.002	1	"	
						53.5	54.5	0.09	0.003	0.001		0.001	"	0.007	0.001	<1	"	
						54.5	55.3	0.12	0.001	0.001		0.002	"	0.005	0.001	<1	"	
55.3	62.45		100	COARSE GRAINED GRANITE:														
	55.3 - 56.1m			Altered reddish porphyritic coarse grained granite. Minor greenish clayey alteration. Grades into:														
	56.1 - 58.0m			Blue grey (white) porphyritic coarse grained biotite granite.		55.3	56.5	0.02	0.004	0.003		0.002	0.001	0.010	0.001	<1	"	
	58.0 - 58.6m			Pink colouration of feldspar above.		56.5	57.5	0.01	0.001	0.001		0.001	"	0.007	0.001	<1	"	
	58.6 - 58.8m			Layered zone (85° to core axis) of coarse quartz feldspar; fine grained aplite.		57.5	58.5	0.01	0.004	0.001		"	"	0.008	0.001	1	"	
	58.8 - 59.6m			Pink coarse, porphyritic, grained granite. Light greenish alteration. No black biotite.		58.5	59.5	0.04	0.006	0.001		0.001	0.001	0.008	0.001	1	"	
	59.6 - 61.2m			White, blue grey, porphyritic coarse grained biotite, granite. Trace greenish alteration.		59.5	60.5	0.02	0.004	0.004		"	"	0.017	0.001	1	"	
	61.2 - 62.45m			Reddish variety of above with biotite. Lower contact 90°		60.5	61.5	0.02	0.003	0.001		<0.001	"	0.008	0.001	<1	"	
						61.5	62.45	0.01	0.002	0.001		<0.001	"	0.011	<0.001	<1	"	

DIAMOND DRILL RECORD

HOLE NUMBER : B,T, 44

212252

LOGGED BY : A. ROSS.

258

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.
62.45	63.7		100	LIGHT REDDISH-GREEN APLITE with minor grey fine grained greisen zones from 62.8 to 62.9m. Reddish colour disappears by 63.1m and then light green massive aplite with sparse black remnant biotite - Crude layering 90° to core axis throughout.		62.45	63.5	0.01	0.003	<0.001		0.003	0.001	0.003	0.001	<1	<0.01
63.7	64.1		100	LIGHT GREY TO WHITE APLITE with slight GREISEN.		63.5	64.1	0.02	0.003	0.001		0.001	0.001	0.012	<0.001	<1	"
64.1	68.1		100	PINK TO GREY MIXTURE OF QUARTZ, QUARTZ-FELDSPAR (PEGMATITE) and minor GREISENISED FINE GRAINED GRANITE.		64.1	65.5	0.02	<0.002	0.001		<0.001	0.001	0.011	<0.001	<1	"
						65.5	66.5	0.05	0.002	0.001		0.001	"	0.013	0.001	"	"
						66.5	67.5	0.10	0.003	0.002		<0.001	"	0.018	0.003	"	"
				Slightly weathered with minor light greenish alteration. Trace visible cassiterite. Purple fluorite in vug. Crude layering at 70° to core axis. Becoming richer in fine grained granite/greisen with depth. Core broken.		67.5	68.1	0.08	0.003	0.003		0.001	"	0.022	0.003	"	"
68.1	68.6		100	LIGHT GREEN TO WHITE FINE GRAINED GRANITE/GREISEN. Patchy coarse biotite. Grading to aplite.		68.1	68.6	0.03	0.002	0.001		<0.001	0.001	0.016	0.001	<1	"
68.6	68.85		100	COARSE PEGMATITE TO APLITE. Crude layering 70°. Very fine biotite throughout. Grades into:		68.6	68.85	0.01	<0.002	0.001		<0.001	0.001	0.019	0.001	<1	"
68.85	77.6		100	FINE GRAINED GRANITE/GREISEN and MINOR GREISEN:		68.85	69.5	0.01	<0.002	0.001		<0.001	0.001	0.019	0.001	<1	"
				68.85 - 70.75m Light grey-white fine grained granite/greisen Slight greenish alteration. Crude layering at 70°.		69.5	70.5	0.02	0.003	0.001		"	"	0.012	0.003	"	"
				70.75 - 70.85m White layer of quartz feldspar. Trace biotite and greenish alteration.		70.5	71.5	0.03	0.003	0.002		<0.001	0.001	0.018	0.004	<1	"
				70.85 - 71.4m Grey fine grained granite/greisen to greisen Trace coarse quartz. Minor quartz vein at 30°.		71.5	72.5	0.03	0.003	0.003		<0.001	<0.001	0.007	0.004	<1	"
				71.4 - 77.6m Lighter grey-white fine grained granite/greisen. Patchy grey clusters of biotite and minor greenish alteration. At 77.1m coarse cassiterite vein at 40° to core axis. Grading to:		72.5	73.5	0.05	0.002	<0.001		0.001	<0.001	0.009	0.002	<1	"
						73.5	74.5	0.04	0.002	0.002		0.001	0.001	0.010	0.001	"	"
						74.5	75.5	0.08	0.003	0.005		<0.001	"	0.011	0.001	"	"
						75.5	76.5	0.05	0.003	0.011		<0.001	"	0.010	0.001	"	"
						76.5	77.5	0.54	0.002	0.008		0.010	"	0.012	0.002	"	"
77.6	113.5		100	FINE GRAINED GRANITE:													
				77.6 - 87.1m White fine grained granite. Massive. Slight greenish alteration. Becoming pink with depth.		77.5	78.5	0.03	0.002	0.002		<0.001	0.001	0.012	0.002	<1	"
						78.5	79.5	0.07	0.003	0.003		0.001	"	0.013	0.002	"	"
				87.1 - 87.2m Zone of coarse biotite and greenish clayey vein at 40° to core axis. Pinkish feldspars?		79.5	80.5	0.06	0.002	0.004		"	"	0.011	0.002	"	"
						80.5	81.5	0.17	<0.002	0.043		"	"	0.055	0.004	8	0.01
						81.5	82.5	0.16	0.002	0.004		"	"	0.013	0.002	<1	"
				87.2 - 89.3m White to slight pink fine grained granite with slight greenish alteration.		82.5	83.5	0.17	0.003	0.006		"	"	0.024	0.002	"	"
						83.5	84.5	0.04	0.003	0.003		<0.001	0.002	0.015	0.001	"	"
				89.3 - 89.7m Darker grey fine grained granite/greisen. Trace pyrite, chalcocopyrote. Lower contact 30° to core axis.		84.5	85.5	1.05	<0.002	0.003		"	0.001	0.015	0.002	"	"
						85.5	86.5	0.03	0.003	0.35		"	0.001	1.1	0.003	46	"
						86.5	87.5	0.06	0.002	0.003		"	0.002	0.014	0.001	<1	"
				89.7 - 90.7m White fine grained granite becoming pink.		87.5	88.5	0.32	0.003	0.003		0.001	0.002	0.009	0.002	"	"
				90.7 - 92.8m Pink fine grained granite. Very pink at 91.2m.		88.5	89.5	0.35	0.005	0.001		<0.001	0.001	0.015	0.003	"	"
						89.5	90.5	0.01	0.002	0.001		"	0.002	0.007	0.001	"	"
				92.8 - 113.5m Grading to white fine grained granite. Becoming equigranular to medium grained variety. Biotite granite. Grading to slight pink colour.		90.5	91.5	140ppm	<0.003	<0.001		<0.001	0.001	0.010	0.001	<1	"
						91.5	92.5		<0.002	"		"	"	0.014	"	<1	"
						92.5	93.5		"	"		"	"	0.017	"	<1	"
						93.5	94.5	140ppm	"	"		"	"	0.012	"	<1	"
						94.5	95.5		"	"		"	"	"	"	"	"

END OF HOLE.

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212254

260

HOLE No. :

SCALE :

HWYS 2461

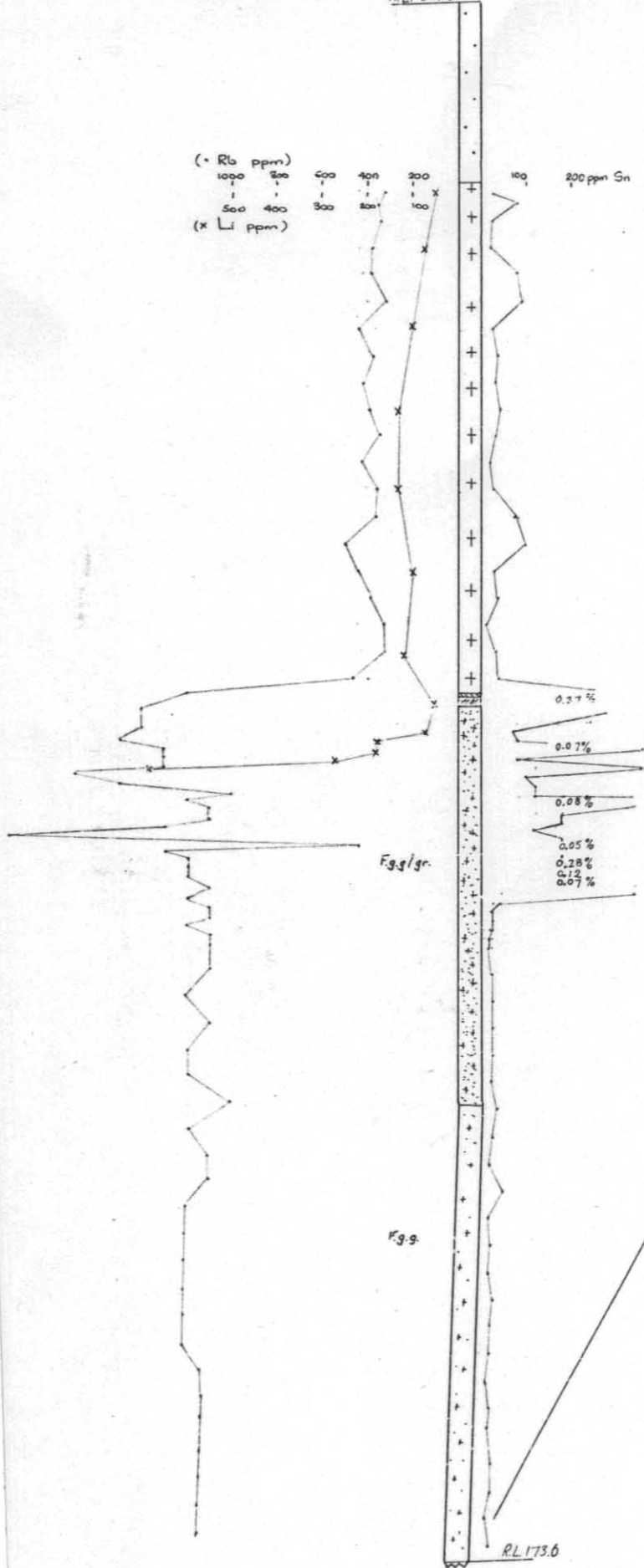
	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT44 30.9m	<u>Mineralised Greisen</u> , Quartz 50% muscovite 25% topaz 15-20% <u>green</u> biotite 5% sulphides 1-5%.	Granular micas largely interstitial.	Traces mauve fluorite 2 ^o chlorite vermiculite cloudy carbonate.	Accessory primary biotite largely replaced by vermiculite and chlorite. Sphalerite in patches to 2mm with accessory bornite chalcopyrite trace chalcocite.
31.4m	<u>Mineralised Greisen</u> . Quartz 60% topaz 15-20% muscovite 15-20% <u>green</u> biotite 2-3%.	Similar to 31.4m.	Traces mauve fluorite carbonate chlorite sphalerite minor trace bornite chalcopyrite.	Muscovite largely secondary after biotite with subordinate cloudy carbonate chlorite fluorite & carbonate veinlets in topaz.
32.0m	<u>Mineralised Greisen</u> . Quartz 40% <u>green</u> biotite 30-35% topaz 20% cassiterite 0.5-1%.	Granular quartz & topaz with coarse random biotite flakes.	Traces mauve fluorite sulphides 2 ^o traces carbonate.	Biotite weakly carbonated. <u>Cassiterite</u> as disseminated dark an ⁺ to subhedral grains (100-1mm) intergranular to quartz and topaz.
38.2m	<u>Mineralised (Granite-) Greisen</u> Quartz 45-50% albite 20% muscovite 20-25% <u>green</u> biotite 5%.	Vaguely granitic with interstitial muscovite.	Trace apatite <u>cassiterite</u> (0.1-0.2%) 2 ^o muscovite carbonate.	Cassiterite as sparse granules (from 50u) irregular aggregates (to 750u) and rare euhedra (to 500u) included in feldspar or embedded in mica.
77.1m	<u>Mineralised Granite greisen</u> . Quartz 40% albite 20-30% <u>pale</u> biotite 15% muscovite 20% cassiter-	As for 38.2m.	Trace apatite topaz 2 ^o muscovite.	Minor late muscovite veinlets. Cassiterite as spongy aggregates & disseminated subhedra embedded in feldspar muscovite.

PLAN



R.L. 347.0

(• Rb ppm) 1000 800 600 400 200 100
 (x Li ppm) 500 400 300 200 100
 200 ppm Sn



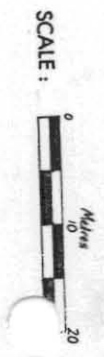
Rb ppm 1000 600
 R.L. 173.6
 100 ppm Sn

Increase in grain size

R.L. 95.7

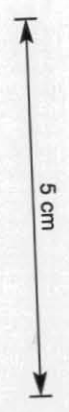
R.L. 173.6

DIP PROFILE



RENISON LIMITED
 DIAMOND DRILL HOLE PLOT

212256 HOLE No.: BT 43



DIAMOND DRILL RECORD

HOLE NUMBER B.T. 43

212257

LOGGED BY A. ROSS.

263

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag.
0	7	1.2	17	Slightly weathered white coarse grained granite.													
7	18	0.3	27	Sand sludge samples and minor weathered coarse grained granite.													
18	20	1.4	70	Weathered white coarse grained granite.													
20	76.95		100	WHITE-GREY COARSE GRAINED GRANITE with alteration.		20.6	21.6	25	0.003	0.003		0.001	0.002	0.012	0.001	<1	
				20 - 26.6m Slight orange brown weathering of feldspars.		21.6	22.6	80	0.005	0.007		0.001	0.001	0.025	0.001	<1	
				26.6 - 30.5m Less weathering. Blue grey-white.		23.6	24.6	25	0.003	0.003		<0.001	0.001	0.006	<0.001	<1	
				30.5 - 32.6m Slight pink colour. Minor weathering.		26.6	27.6	20	0.005	0.002		0.001	0.001	0.008	<0.001	<1	
				32.6 - 34.6m Increase in pink colour.		29.6	30.6	80	0.003	0.003		<0.001	0.001	0.006	<0.001	<1	
				34.6 - 35.6m Core very broken. Rubble. Pink to grey mica greisen and pink granite.		32.6	33.6	90	0.005	0.003		0.001	0.001	0.009	<0.001	<1	
				35.6 - 36.0m Light brown aplite vein with quartz vein at 30° to core axis. Lower contact 75° to core axis.		35.6	36.6	25	0.005	0.003		<0.001	0.001	0.009	<0.001	<1	
				36.0 - 37.1m Slight pink coarse grained granite.		38.6	39.6	35	0.003	0.002		<0.001	0.001	0.006	0.001	<1	
				37.1 - 38.1m Blue grey white coarse grained granite.													
				38.1 - 38.5m Slight pink colour.													
				38.5 - 41.1m White coarse grained granite.		41.6	42.6	30	0.005	0.014		<0.001	0.001	0.008	0.001	1	
				41.1 - 41.4m Pink variety and minor quartz sericite veins at 85° to core axis.													
				41.4 - 43.2m White.		44.6	45.6	40	0.003	0.002		<0.001	0.002	0.005	0.001	<1	
				43.2 - 44.5m Pink variety with weathered broken zone.													
				44.5 - 48.2m White. One minor quartz vein at 18° to core axis.		47.6	48.6	30	0.002	0.011		0.001	0.001	0.008	0.001	1	
				48.2 - 50.0m Pink with minor greenish clay alteration.													
				50.0 - 54.2m White.													
				54.2 - 54.6m Pink variety.		50.6	51.6	20	0.003	0.003		<0.001	0.002	0.006	0.001	<1	
				54.6 - 54.8m Brecciated quartz - pink feldspar.													
				54.8 - 64.0m Pink variety with intense brick red colour in places. Slight green clay alteration. Core broken by kaolin veinlets in places.		53.6	54.6	25	0.002	0.009		<0.001	0.001	0.007	0.001	<1	
				Few greisen veinlets. One or two quartz veinlets. One low angle (5°) pink aplite vein.		56.6	57.6	70	0.003	0.020		0.001	0.001	0.005	0.002	1	
				64.0 - 64.1m Grey quartz greisen rock. Diffuse contacts.													
				64.1 - 65.8m Pink variety.													
				65.8 - 73.5m White variety.		58.6	60.6	100	0.002	0.003		<0.001	0.002	0.007	0.001	<1	
				73.5 - 74.4m Pink variety with increasing "pinking".													
				74.4 - 74.9m Pink with greenish clayey alteration. Sub. pegmatitic with minor acicular crystals of biotite. ?		62.6	63.6	30	0.003	0.002		0.001	0.001	0.006	0.002	<1	
				74.9 - 74.95m Layered greenish, pink altered quartz rock. Layering 70° to core axis.		65.6	66.6	35	0.003	0.003		0.001	0.002	0.007	0.002	<1	
				74.95-75.7m Pink variety. Becoming greyish green.													
				75.7 - 75.75m At 35° to core axis. Greenish fine grained altered aplite.		68.6	69.6	10	0.002	0.002		<0.001	0.001	0.006	0.001	<1	
				75.75 - 76.95m Slight pink variety.													
76.95	77.15		100	PEGMATITE: Coarse (extra) pink feldspar, quartz and fine grey green mica and clayey alteration.		71.6	72.6	30	0.003	0.007		<0.001	0.002	0.009	0.001	1	
77.15	78.3		100	TRANSITION FROM COARSE WHITE/PINK GRANITE TO FINE GRAINED GRANITE/GREISEN. Slight greenish alteration and hydromicas.		74.6	75.6	40	0.002	0.001		<0.001	0.001	0.007	0.001	<1	

%

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM	% Sn.													
				FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃		
78.3 - 122.7	100	FINE GRAINED GRANITE and FINE GRAINED GRANITE/GREISEN:															
78.3 - 83.7m		Light grey-green fine grained granite/greisen. Trace moly. Possible light brown cassiterite trace.		80.6	81.6	<0.01	0.003	<0.001		0.001	<0.001	0.020	0.008	<1			
83.7 - 84.7m		Darker green-grey greisen. Trace moly.		81.6	82.6	<0.01	0.002	<0.001		0.019	<0.001	0.018	0.012	<1			
84.7 - 84.9m		Light fine grained granite/greisen.		82.6	83.6	0.07	<0.002	<0.001		0.015	<0.001	0.005	0.003	<1			
84.9 - 90.2m		Darker green-gray greisen with coarse platy mica. Slight red patches (feldspar?) Few grains of black wolframite?		83.6	84.6	<0.01	<0.002	<0.001		0.014	0.001	0.015	0.013	<1			
90.2 - 90.6m		Lighter fine grained granite/greisen.		84.6	85.6	0.04	0.002	<0.001		0.005	0.001	0.009	0.005	<1			
90.6 - 92.0m		Darker fine grained granite/greisen/		85.6	86.6	0.01	0.005	<0.001		0.007	0.001	0.035	0.015	<1			
92.0 - 92.5m		Light fine grained granite.		86.6	87.6	0.03	0.012	0.005	<0.10	0.004	0.001	0.037	0.011	<1	<0.01		
92.5 - 92.9m		Dark coarse greisen. Trace cassiterite?		87.6	88.6	0.10	0.003	0.003	"	<0.001	0.001	0.016	0.003	<1	"		
92.9 - 93.1m		Pale brown feldspar?		88.6	89.6	0.02	0.006	0.002	"	0.001	0.001	0.027	0.011	<1	"		
93.1 - 93.35m		Lighter fine grained granite/greisen.		89.6	90.6	0.02	0.005	0.001	"	<0.001	0.001	0.042	0.007	<1	"		
93.35 - 93.6m		Lighter fine grained granite/greisen.		90.6	91.6	0.02	0.005	0.001	"	<0.001	0.001	0.015	0.006	<1	"		
93.6 - 93.75m		Dark greisen. Trace cassiterite.		91.6	92.6	0.01	0.003	0.002	"	<0.001	0.001	0.014	0.003	<1	"		
93.75 - 99.4m		Light grey-green fine grained granite/greisen with slight green alteration.		92.6	93.6	0.03	0.011	0.002	"	0.001	0.001	0.050	0.003	<1	"		
99.4 - 99.9m		White fine grained granite. Unaltered.		93.6	94.6	0.08	0.006	0.002	"	<0.001	0.001	0.006	0.001	<1	"		
99.9 - 112.3m		Light grey-green fine grained granite/greisen. Minor mica-sericite throughout.		94.6	95.6	0.01	0.006	0.001	"	0.003	<0.001	0.030	0.007	<1	"		
112.3 - 113.0m		Darker grey-green fine grained granite/greisen No visible mineralisation.		95.6	96.6	0.42	0.012	0.002	"	0.001	<0.001	0.014	0.006	<1	"		
113.0 - 115.6m		Light grey-green fine grained granite/greisen		96.6	97.6	0.16	0.006	0.005	"	0.001	0.001	0.010	0.006	<1	0.01		
115.6 - 116.65m		Darker with greater mica contact. Fine grained granite/greisen. Coarse mica.		97.6	98.6	0.11	0.006	0.002	"	0.001	<0.001	0.009	0.007	<1	<0.01		
116.65 - 120.4m		Light grey-green fine grained granite to fine grained granite/greisen. Slight greenish alteration.		98.6	99.6	0.04	0.005	0.004	"	0.001	0.001	0.010	0.005	<1	"		
120.4 - 122.7m		Darker grey-green fine grained granite/greisen No visible mineralisation. Coarse dark green micas.		99.6	100.6	0.04	0.003	0.001	"	<0.001	0.001	0.008	0.006	<1	"		
122.7 - 251.6	100	FINE GRAINED GRANITE with minor green alteration. Overall white colour. Grading to porphyritic white granite.		100.6	101.6	ppm. 40	0.003	<0.001	"	<0.001	<0.001	0.010	0.001	<1	"		
122.7 - 136.0m		White fine grained granite.		101.6	102.6	25	0.002	"	"	"	<0.001	0.010	<0.001	<1	"		
136.0 - 148.7m		Core broken and with talcy white mineral on joints and as veins throughout. Low angle (0°) veins. Slight greenish alteration as before.		102.6	103.6	25	0.002	"	"	"	<0.001	0.009	"	<1	"		
148.7 - 152.5m		Not broken. No talcy veinlets. White fine grained granite.		103.6	104.6	25	<0.002	"	"	"	0.001	0.010	"	<1	"		
152.5 - 159.4m		Core broken with talcy veinlets. Slight increase in black biotite content.		104.6	105.6	20	"	"	"	"	0.001	0.001	0.006	"	<1	"	
159.4 - 184.0m		Grey-white fine grained granite. Not broken slightly less greenish alteration. Probably more black biotite. Overall white speckled black.		105.6	106.6	25	"	"	"	"	<0.001	0.008	0.001	<1	"		
184.0 - 192.0m		As above. White speckled black but with negligible greenish alteration. Few narrow (<1cm) low angle (30°) veins of coarse mica/mauve fluorite.		106.6	107.6	25	"	"	"	"	<0.001	0.008	0.001	<1	"		
				107.6	108.6	25	"	"	"	"	<0.001	0.008	0.001	<1	"		
				110.6	111.6	25	"	"	"	"	<0.001	0.010	0.003	<1	"		
				112.6	113.6	25	"	"	"	"	<0.001	0.009	0.003	<1	"		
				116.6	117.6	25	"	"	"	"	<0.001	0.011	0.002	<1	"		
				119.6	120.6	25	"	"	"	"	0.002	0.001	0.013	0.004	<1	"	
				122.6	123.6	35	<0.002	<0.001	"	0.001	<0.001	0.008	0.001	<1	"		
				125.6	126.6	25	<0.002	<0.001	"	0.001	0.001	0.007	0.001	<1	"		
				128.6	129.6	20	"	"	"	"	"	0.005	"	<1	"		
				131.6	132.6	50	"	0.004	"	"	"	0.008	"	<1	"		
				134.6	135.6	20	"	<0.001	"	"	"	0.007	"	<1	"		
				137.6	138.6	25	"	"	"	"	<0.001	0.005	"	<1	"		
				140.6	141.6	25	"	"	"	"	"	0.005	"	<1	"		
				143.6	144.6	35	"	"	"	<0.001	0.001	0.005	"	<1	"		
				146.6	147.6	30	"	"	"	"	<0.001	0.006	<0.001	<1	"		
				149.6	150.6	30	"	"	"	0.001	"	0.006	"	<1	"		
				152.6	153.6	25	"	0.002	"	"	0.001	0.009	0.001	<1	"		
				155.6	156.6	35	"	<0.001	"	"	"	0.009	"	<1	"		
				158.6	159.6	30	"	"	"	0.002	<0.001	0.009	"	<1	"		
				161.6	162.6	40	"	0.003	"	0.001	<0.001	0.011	0.002	<1	"		
				164.6	165.6	40	0.003	0.001	"	0.001	0.001	0.007	"	<1	"		
				167.6	168.6	30	0.003	<0.001	"	0.002	"	0.004	0.003	8	"		
				170.6	171.6	40	0.002	0.002	"	<0.001	"	0.005	0.002	<1	"		

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212260

266

HOLE No. :

SCALE :

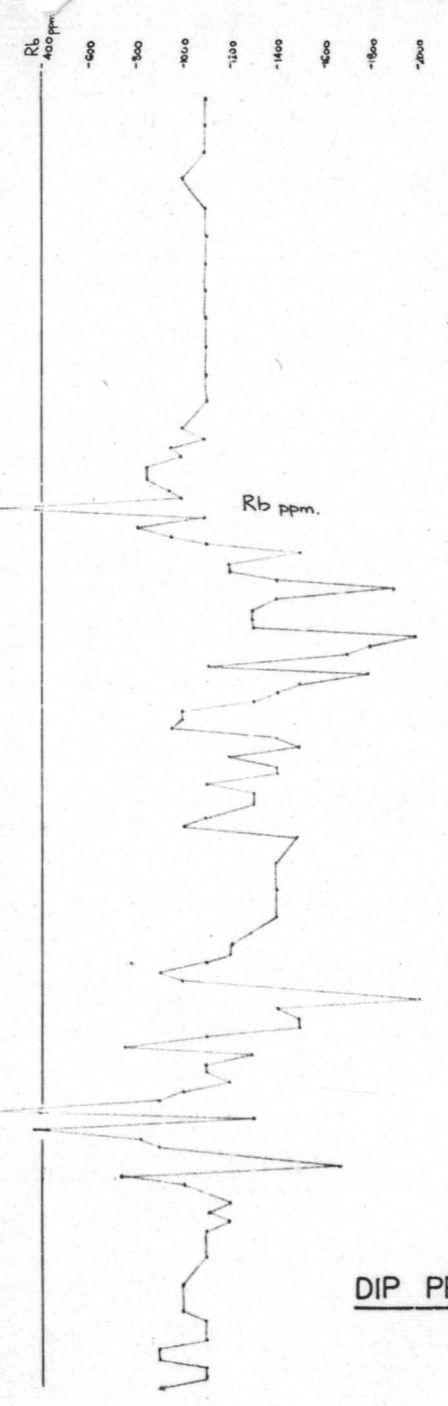
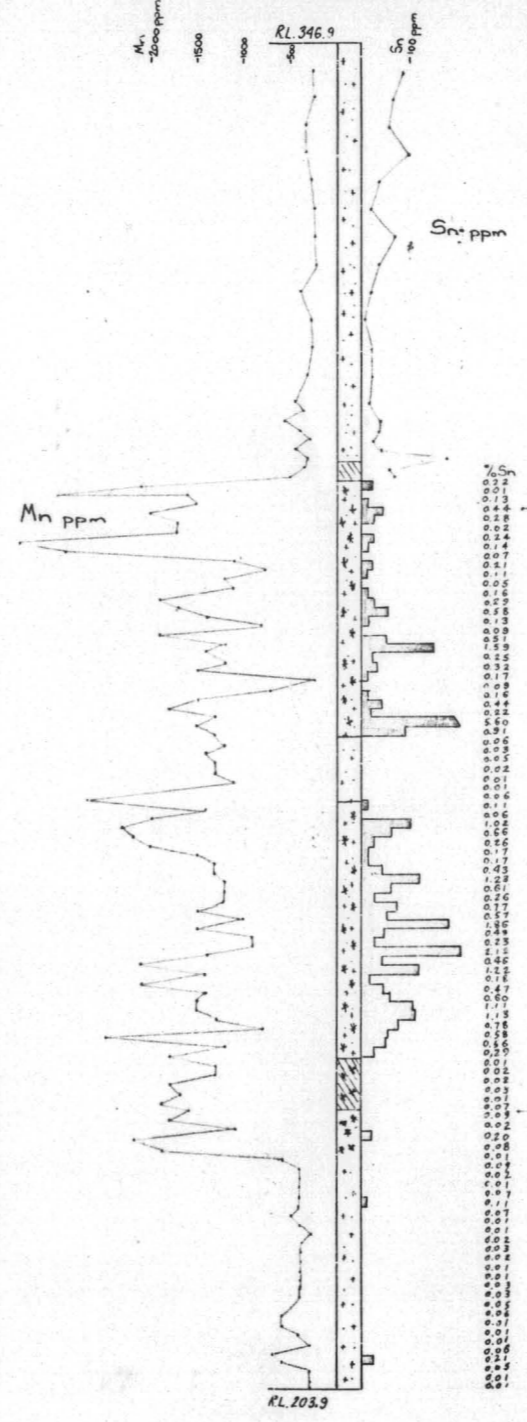
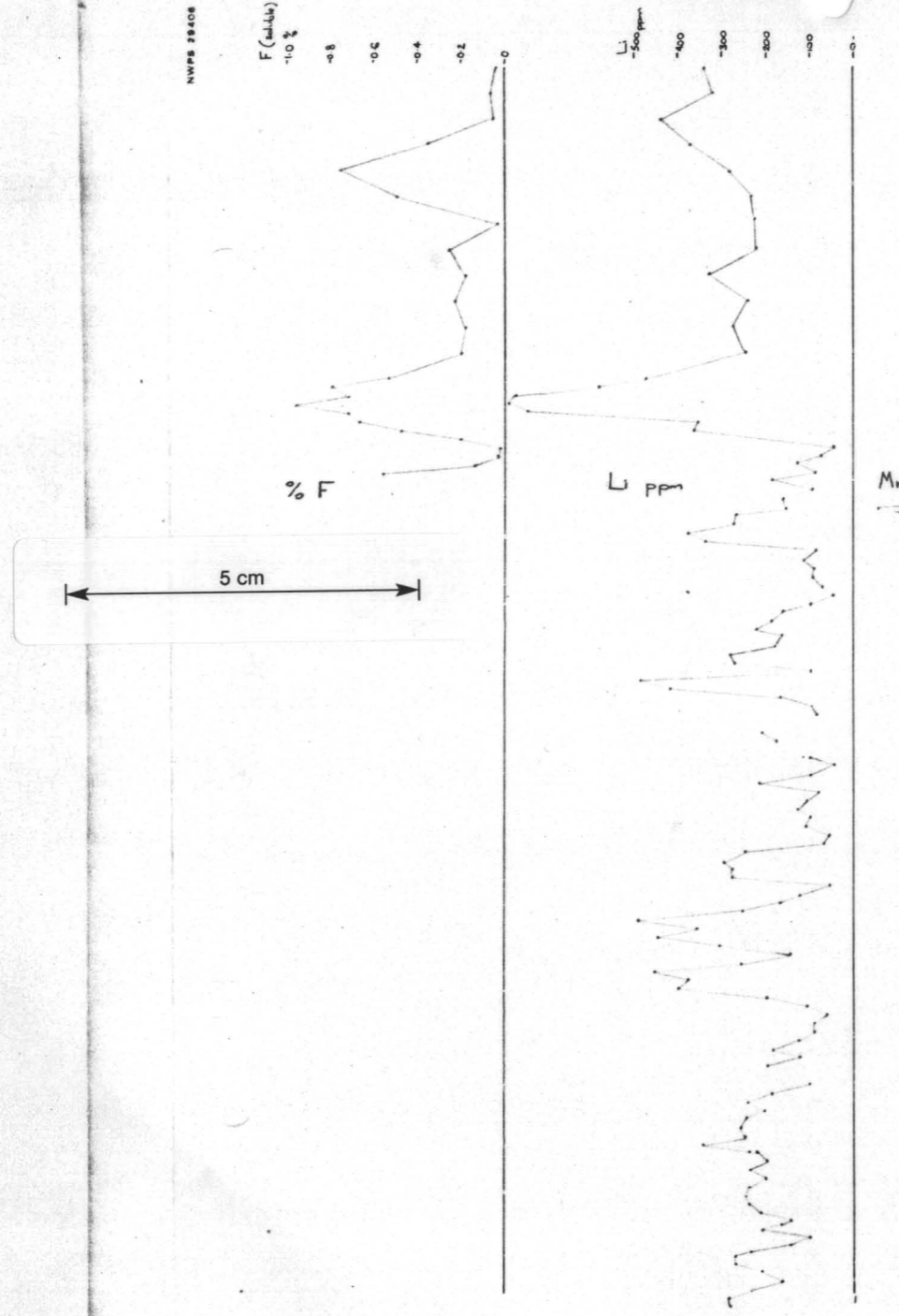
NWRS 24451

	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT43	Biotite Adamellite Quartz 30-35% orthoclase 30% oligoclase 25-30% <u>brown</u> biotite 5-15%.	Relatively coarse equigranular granitic	1 ^o trace apatite minor trace muscovite 2 ^o muscovite <u>green</u> biotite chlorite.	Weakly to moderately altered with partly development of chlorite (after biotite) fine muscovite and pale green biotite.
39.5m	Biotite Adamellite Quartz 40% orthoclase 30% oligoclase 25% <u>brown</u> biotite 5-10%.	Coarse grained weakly porphyritic granitic	Minor trace 1 ^o apatite zircon muscovite 2 ^o chlorite sericite.	Similar to 24.0m, slightly coarser grained. Weakly altered with incipient sericitisation oligoclase chloritisation biotite.
59.8m	Biotite Granite. Quartz 25-30% orthoclase 40-45% Fe-stained oligoclase 15-20% <u>brown</u> biotite 5-10%.	Very coarse trend feldspar-porphyritic granitic.	Minor trace 1 ^o apatite zircon 2 ^o sericite muscovite carbonate fluorite pyrite.	Coarse granitic variant of biotite adamellite. Weak to moderate greisen-style alteration with accessory carbonate minor fluorite pyrite.
77.8m	"Granite Greisen" Quartz 30%, albite 25-30% orthoclase 25-30% <u>yellow-green</u> biotite 5% muscovite 10-15%.	Coarse to medium granitic, interstitial muscovite.	Trace 1 ^o apatite topaz cassiterite 2 ^o muscovite (trace).	Essentially a granite with abundant late interstitial rosette muscovite. Cassiterite as rare euhedral grains 50u-2mm partly included in quartz.
96.3m	Sodic Granite Greisen Quartz 40% albite 20-25% muscovite 30% <u>pale</u> biotite 5-10%.	Granitic, interstitial muscovite.	Trace 1 ^o apatite topaz cassiterite. Minor 2 ^o sericite fluorite carbonate.	Sim. 77.8m. Cassiterite as sparse skeletal to subhedral grains (200-500u) included in albite, embedded in muscovite.
240.0m	Granite Greisen Quartz 30-35% orthoclase 30% albite 25-30% <u>pale</u> biotite 5% muscovite 10-15%.	Granitic interstitial muscovite	Minor trace 1 ^o apatite zircon topaz Minor 2 ^o muscovite carbonate.	Similar to 77.8m and 96.3m but less micaceous. No detectable cassiterite.

RENISON LIMITED DIAMOND DRILL HOLE PLOT

HOLE No.: BT.42

212262



⊗ SALS401 2 M
68579 A E

PLAN

RL 301.9

63.0m X 0.51% Sn

RL 238.9

DIP PROFILE

212265

271

NWPS	INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.													
	FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag.	% WO ₃		
					pyrite, chalcopryrite.															
					57.4 - 60.0m: Less altered, muscovite-sericite quartz rock (light green) with minor biotite. Vein containing mauve fluorite at 45.4m at 40° to core axis. Chalco, pyrite common. Few minor amorphous patches of creamy alteration clay. Low angle talc-fluorite vein.			58.7	0.11	0.005	0.33	<0.10	0.005	0.001	0.092	0.014	43	0.02		
					60.0 - 60.5m: Darker green and brown mica greisen. Trace chalco, pyrite. Very coarse cassiterite trace. Trace moly. Lower contact 30° to core axis.			59.7	0.05	0.005	0.14	"	0.004	0.001	0.028	0.012	18	0.01		
					60.5 - 65.6m: Light coloured green sericite-muscovite greisenised granite. Minor pink feldspar throughout in small patches. Trace moly. Very rare sulphide-bornite. Veinlets of amorphous clay alteration mineral. Coarse platy micas common.			60.7	0.16	0.005	0.29	"	0.004	0.001	0.13	0.017	30	<0.01		
					65.6 - 66.2m: Change to darker mica in same overall lithology i.e. greisenised granite. Minor pink feldspar patches. Trace pyrite, chalco.			61.7	0.29	0.005	0.21	"	0.036	0.001	0.067	0.062	43	0.06		
					66.2 - 68.5m: Light colour overall. Greenish clay alteration to micas. Fine grained granite-greisen. Trace medium grained cassiterite. Trace bornite. Trace pink feldspars.			62.7	(0.58)	0.009	0.074	"	0.085	0.001	0.028	0.030	14	0.17		
					68.5 - 69.9m: Darker green fine grained granite-greisen. Trace pink feldspars. Amorphous quartz-fluorite vein at 30° to core axis to 69.1m. Micas coarse.			63.7	0.13	0.005	0.066	"	0.004	<0.001	0.015	0.017	9	0.08		
					69.9 - 70.6m: Very broken zone. Greenish clayey fine grained granite. Weathered greisen band at 10° to core axis. Muscovite coarse and weathered slightly. Granite fabric visible.			64.7	0.09	0.003	0.10	"		0.001	0.037	0.016	16	0.04		
					70.6 - 74.1m: Greenish grey greisenised fine grained granite with coarse micas and visible coarse reddish brown cassiterite. Trace pink feldspar. Trace chalco-pyrite. Black resinous mineral at 73.8m - wolframite?			65.7	0.51	0.002	0.072	"		0.001	0.022	0.006	10	0.05		
					74.1 - 74.3m: Dark green to light green coarse greisen with abundant coarse cassiterite. Upper and lower contacts 85° to core axis.			66.7	(1.59)	0.004	0.11	"		0.001	0.034	0.012	16	0.03		
					74.3 - 74.6m: Lighter green - less clayey alteration but with abundant coarse cassiterite.			67.7	0.25	0.003	0.16	"	0.006	0.001	0.031	0.021	21	0.05		
					74.6 - 75.6m: Less mica. Yellowish green clayey altered fine grained granite. Fine sericite. Core broken.			68.7	0.32	0.002	0.063	"		0.001	0.026	0.015	11	0.03		
					75.6 - 76.7m: Finer grained fine grained granite - slight greisenisation. Greyish colour.			69.7	0.17	0.003	0.059	"		0.001	0.031	0.012	13	0.02		
					76.7 - 78.0m: Brownish yellow alteration of fine grained granite. Very fine sericite.			70.7	0.09	0.003	0.042	"		0.001	0.056	0.017	9	<0.01		
					78.0 - 80.7m: Grades into yellowish green clayey altered equigranular fine grained granite. Barren looking. Feldspars weakly altered. Reappearance of feldspars at 78.0m.			71.7	0.16	0.003	0.052	"		0.001	0.027	0.012	8	0.01		
					80.7 - 81.2m: Crumbly clay, or argillised fine grained granite. Coarse patches and veins of yellow clay.			72.7	0.44	0.007	0.91	"		0.001	0.11	0.16	115	<0.01		
					81.2 - 82.1m: Unaltered fine grained granite. Yellowish white.			73.7	0.22	0.005	0.078	"		0.001	0.031	0.006	10	0.02		
					82.1 - 83.0m: Greyish green coarse mica in fine grained granite-greisen. Slight feldspar development.			74.7	5.60	0.005	0.026	"		0.003	0.036	0.004	4	<0.01		
								75.7	0.91	0.003	0.043	"		0.001	0.11	0.004	8	<0.01		
								76.7	0.06	0.003	0.17	"		0.001	0.032	0.009	24	<0.01		
								77.7	0.03	0.005	0.20	"		0.001	0.034	0.005	4	<0.01		
								78.7	0.05	0.005	0.049	"		0.001	0.14	0.004	8	<0.01		
								79.7	0.02	0.005	0.014	"		0.001	0.054	0.004	3	<0.01		
								80.7	0.01	0.002	0.001	"		0.001	0.051	0.003	2	<0.01		
								81.7	0.01	0.003	0.007	"		0.001	0.032	0.003	3	<0.01		
								82.7	0.06	0.005	0.083	"		0.001	0.20	0.005	15	<0.01		
								83.7	0.11	0.002	0.057	"		0.001	0.030	0.006	9	<0.01		

212266

LOGGED BY : A. Ross

NWPS

INTERVAL (m)		RECOVERY		DESCR. ION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.
				83.0 - 84.3m: Weak sericite development in greenish fine grained granite-greisen.		84.7	0.06	0.005	0.20	<0.10		0.001	0.026	0.006	30	<0.01
				84.3 - 84.5m: Grey fine greisen with trace cassiterite.												
				84.5 - 85.1m: Lighter grey green fine grained granite greisen.												
				85.1 - 85.8m: Greyish fine grained greisenised granite.		85.7	1.02	0.010	0.012	"	0.014	0.001	0.10	0.021	4	0.03
				85.8 - 86.0m: Zone of greenish talc mineral, complete alteration with minor biotite.		86.7	0.66	0.003	0.003	"	0.001	0.001	0.072	0.003	1	<0.01
				86.0 - 87.5m: Light grey fine grained granite-greisen. Trace sericite.		87.7	0.26	0.003	0.006	"	<0.001	0.001	0.096	0.007	5	<0.01
				87.5 - 87.6m: At 65° to core axis. Coarse mica vein with weathering.												
				87.6 - 92.3m: Light greyish green featureless fine grained granite-greisen with medium grained cassiterite throughout. Trace moly. Trace sericite. Mainly light green mica.		88.7	0.17	0.005	0.003	"	0.002	0.001	0.073	0.005	1	<0.01
						89.7	0.17	0.007	0.011	"	0.001	0.001	0.070	0.003	2	<0.01
						90.7	0.43	0.005	0.013	"	0.004	<0.001	0.033	0.003	2	0.01
						91.7	1.23	0.003	0.002	"	0.004	0.001	0.027	0.003	<1	0.02
				92.3 - 93.2m: Lighter fine grained granite-greisen. Weak feldspar remnants.		92.7	0.61	0.003	0.006	"	0.001	0.001	0.038	0.012	2	0.06
				93.2 - 95.3m: Change to very coarse platy muscovite in fine grained granite-greisen. Visible medium to coarse cassiterite. Trace mauve fluorite.		93.7	0.26	0.003	0.002	"	0.001	0.001	0.028	0.011	2	0.06
						94.7	0.77	0.005	0.002	"	0.023	0.001	0.039	0.098	5	0.03
						95.7	0.57	0.010	0.001	"	0.021	<0.001	0.033	0.035	3	0.01
				95.3 - 99.4m: Generally lighter in colour due to lesser dark coarse muscovite. Fine grained granite greisen. Core slightly broken. Remnant pink feldspars visible. Fine visible cassiterite in parts. Very common coarse cassiterite in last 20 cms.		96.7	1.86	0.009	0.001	"	0.009	<0.001	0.028	0.054	4	0.08
						97.7	0.49	0.003	0.002	"	0.006	0.001	0.021	0.010	1	0.15
						98.7	0.23	0.002	0.001	"	0.003	0.001	0.029	0.009	1	0.03
						99.7	2.12	0.012	0.001	"	0.004	0.001	0.027	0.008	<1	0.01
				99.4 - 100.1m: Complex altered zone of white-cream amorphous alteration and light green talc mineral. Remnant pink feldspar and trace biotite. Contacts 70° to core axis.		100.7	0.46	0.007	0.004	"	0.003	0.002	0.027	0.080	5	0.01
						101.7	1.22	0.003	0.001	"	0.002	0.001	0.039	0.007	<1	<0.01
						102.7	0.18	0.003	0.004	"	0.001	0.001	0.038	0.002	<1	<0.01
						103.7	0.47	0.005	0.003	"	0.001	0.002	0.041	0.002	<1	<0.01
				100.1 - 105.0m: Greyish green fine grained granite-greisen with patchy coarse micas and more common medium grained dark green muscovite throughout. Cassiterite visible in parts with occasional very coarse patches. Trace pinkish feldspar remnants towards end.		104.7	0.60	0.007	0.001	"	0.006	0.001	0.038	0.003	<1	<0.01
				105.0 - 105.8m: Lighter less greisenised fine grained granite. Finer visible cassiterite.		105.7	1.11	0.003	0.002	"	0.003	0.001	0.031	0.001	2	0.01
				105.8 - 106.4m: Darker fine grained granite-greisen with coarse dark green mica. Visible coarse cassiterite and pinkish remnant feldspar. Hint of cassiterite. Greisen vein at 30° to core axis.		106.7	1.13	0.007	0.010	"	0.010	0.002	0.089	0.020	4	0.05
				106.4 - 106.42m: Quartz vein at 25° to core axis.												
				106.42 - 107.9m: Dark green mica in fine grained greisen with patchy micas. Visible coarse-medium grained cassiterite. Mauve fluorite trace. Patchy quartz.		107.7	0.78	0.003	0.003	"	0.012	<0.001	0.044	0.019	2	0.09
				107.9 - 108.2m: Fine to medium fine grained granite greisen. Light to dark green. Trace pink feldspar.												
				108.2 - 108.8m: Patchy dark to light grey green fine grained granite greisen. Visible cassiterite.		108.7	0.58	0.001	0.001	"	0	0.018	0.046	0.010	7	0.01
108.8	119.5		100	COMPLEX TRANSITIONAL ZONE: Very indurated, quartz rich as indicated by slower drilling rate.												
				108.8 - 109.3m: Quartz rich fine grained granite greisen. Greyish green. Coarse quartz at upper contact, at 85° to		109.7	0.56	0.001	0.001	"		<0.001	0.037	0.019	<1	<0.01

DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 42

212268

LOGGED BY : A. Ross

NWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	% Sn.												
				FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃	
		fluorite. Sulphides identified include chalcopyrite bornite/chalcocite, molybdenite (flakes up to 1.5mm).														
		The cassiterite is particularly well-developed, as single crystals up to 6mm, with the usual mottled amber/colorless appearance, often color zoned, embedded in topaz, quartz and micas. The bulk of the cassiterite is relatively coarse (0.5 - 2.0mm) and very little is < 100u, with occasional crystals in the 20 - 100u range; liberation should be straightforward.														
		H.W. Fander.														

274

HOLE No. :

SCALE:

212269

275

	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT 42	<u>Greisenised Biotite Granite.</u> Quartz 30% albite 30-35% orthoclase 30% pale biotite 10%	Even grained granitic.	1 ^o apatite, minor trace topaz 2 ^o muscovite minor quartz.	Unusual very pale yellowish biotite. Moderate greisenising (muscovitisation) of feldspar and particularly biotite, minor quartz veinlets.
25.8m	<u>Biotite Topaz Granite</u> Quartz 40% albite 20-25% orthoclase 30% pale biotite 2-3% topaz 1%.	Granitic	1 ^o apatite Minor 2 ^o muscovite trace fluorite.	Similar to 19.7, Very weakly greisenised with traces of fluorite (Mauve with pleochroic haloes) in partly altered biotite, minor quartz veining.
32.5m	<u>Biotite Topaz Granite.</u> Quartz 30-35% orthoclase 30% albite 30%, pale biotite 5% topaz 1-3%.	Granitic, relatively fine grained trend microgranite.	1 ^o apatite Minor trace 2 ^o muscovite	Sim. to 25.8m, incipient greisenising
39.7m	<u>Greisenised Biotite Granite.</u> Quartz 35% albite 25-30%, orthoclase 25-30% pale biotite 10-15%.	Granitic, slightly coarser than 32.5m	1 ^o topaz apatite 2 ^o muscovite sericite. fluorite.	Relatively abundant 1 ^o mica. Abundant 2 ^o fine muscovite & sericite after feldspar, biotite with frequent small patches. mauve fluorite. Topaz partly sericitised.
42.6m	<u>Greisenised Biotite Topaz Granite</u> Quartz 30% albite 25% orthoclase 25% pale biotite 10-15% topaz 3-5%.	Granitic, very similar to 39.7m	Trace 1 ^o apatite 2 ^o sericite, muscovite fluorite trace carbonate.	Similar to 39.7m but with relatively abundant topaz. Extensively greisenised with accessory cloudy mauve fluorite minor cloudy carbonate.
45.0m	<u>Greisenised Biotite Granite.</u> Quartz 30-35% albite 30% orthoclase 30% pale biotite 5-10%.	Granitic very similar to 39.7 42.6m	1 ^o apatite trace topaz 2 ^o muscovite sericite fluorite carbonate	Near-identical with 39.7m Moderately greisenised with accessory mauve fluorite traces cloudy carbonate.
113.7m	<u>Sodic Microgranite.</u> Quartz 50% albite 40% orthoclase 5% mica (?biotite) 5%.	Granitic trend aplitic	1 ^o magnetite minor trace apatite 2 ^o carbonate martite trace sericite.	Pink coloration reflects magnetic reddening and martitised 1 ^o magnetite. Mica completely altered to cloudy Fe-carbonate, minor sericitisation.
130.7m	<u>Greisenised Biotite Topaz Granite.</u> Quartz 30% albite 30% orthoclase 30% pale biotite 5-10% topaz 1-2%.	Granitic trend medium-grained (microgranite)	1 ^o minor trace apatite cassiterite. 2 ^o muscovite trace. carbonate.	Similar to 25.8m etc. Moderately greisenised-muscovitised. Cassiterite extremely sparse 20-50u inclusions in feldspar.
139.7	<u>Greisenised Biotite Topaz Granite.</u> Quartz 25% albite 30% orthoclase 30% pale biotite 5-10% topaz 2-3%.	Granitic, relatively coarse grained.	1 ^o minor trace apatite zircon muscovite 2 ^o muscovite minor trace carbonate.	Weak to moderate muscovitisation-greisenising with topaz partly replaced by sericite.

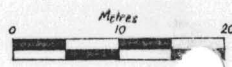
NWPS 29406

RENISON LIMITED DIAMOND DRILL HOLE PLOT

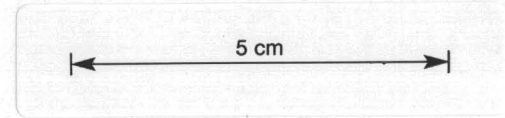
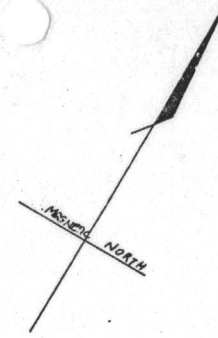
HOLE No.: B.T. 41

212271

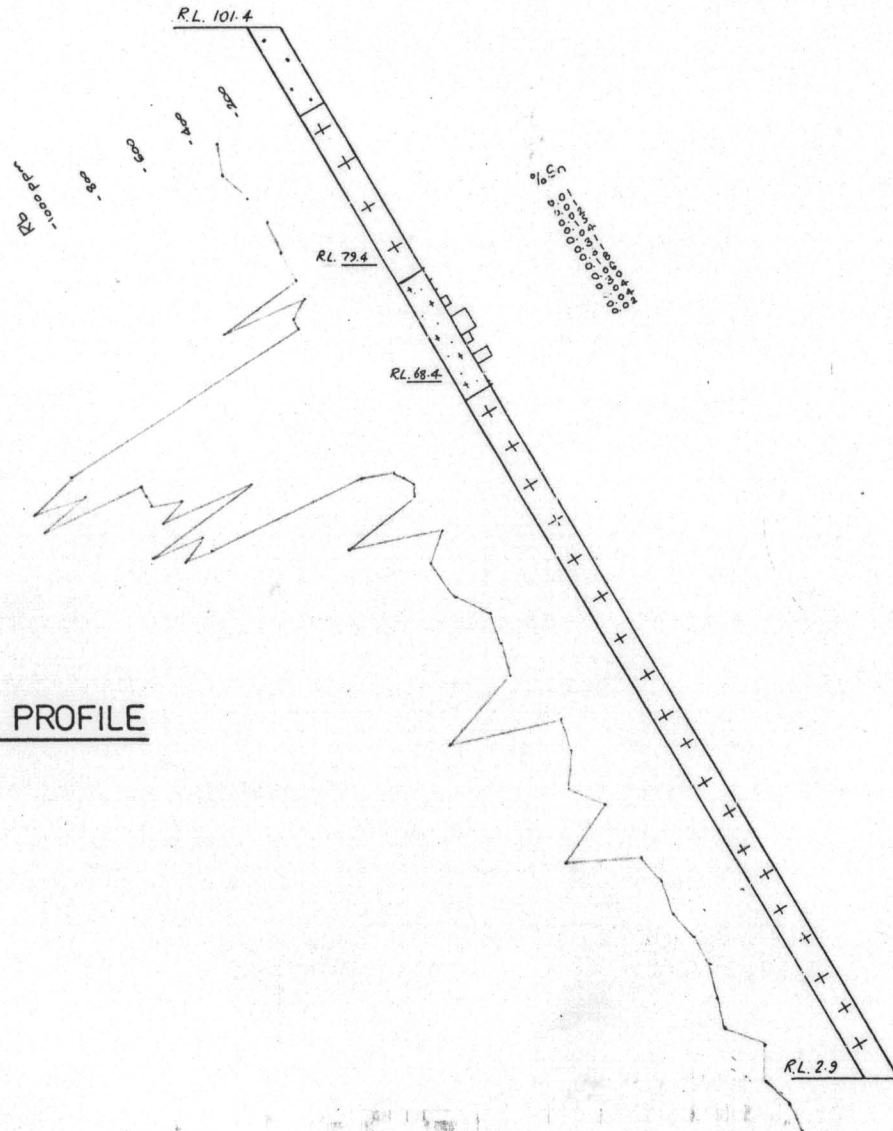
277

SCALE: 

PLAN



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : **B.T. 41**

212272

LOGGED BY : **A. Ross**

278

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.												
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
0	1.70	0.3	17.6	Fragments of white-grey coarse grained biotite granite.														
1.70	3.20	0.1	6.7	As above. Large fragment of black biotite.		5.1	6.1	ppm. 15										
3.20	5.1	0.3	15.8	Fragments of coarse grained granite-porphyritic white granite.		8.1	9.1	30										
5.1	8.1	2.1	70	Weathered porphyritic white-grey granite. Biotite.		11.1	12.1	25										
8.1	20.4		100	WHITE COARSE GRAINED to PORPHYRITIC GRANITE.		14.1	15.1	15										
				8.1 - 8.7m Porphyritic white biotite granite.		17.1	18.1	<5										
				8.7 0 - 10.1m Coarse grained biotite granite with concentrations of biotite. Odd quartz vein.		20.1	21.1	10										
				10.1 - 10.4m Medium to coarse grained white biotite granite. 4 cms coarse pegmatite (white), at base of interval.		21.1	22.1	140										
				10.4 - 13.4m Coarse sub-porphyritic white granite. Few iron stained joints and patches. Quartz feldspar vein at 60° to core axis, at base of interval.		22.1	23.1	10										
				13.4 - 16.8m White, coarse to sub porphyritic coarse grained granite. Trace biotite.		23.1	24.1	10										
				16.8 - 20.4m More biotite content, white porphyritic granite. Gradual change to:		24.1	25.1	10										
						25.1	26.1	320										
20.4	26.3		100	PINK COARSE GRAINED AND PORPHYRITIC GRANITE, with ALTERATION:														
				20.4 - 21.2m Pink sub-porphyritic biotite granite.														
				21.2 - 21.4m Greenish clayey alteration of above.														
				21.4 - 22.2m Porphyritic pink granite. Slight green micas.														
				22.2 - 23.1m Greyish to pink coarse grained granite. Large quartzose patches.														
				23.1 - 24.0m Pink to grey subporphyritic biotite granite. Trace greenish alteration.														
				24.0 - 24.05m Quartz feldspar mica vein 45° to core axis.														
				24.05 - 26.3m Pink to white coarse grained granite. Core broken in parts with few minor clayey veins.														
26.3	38.6		100	WHITE FINE GRAINED GRANITE with minor GREISEN.														
				26.3 - 26.5m Grey green fine grained greisen. Minor micas.		26.3	27.3	0.01	0.003	0.001	<0.01	0.001	<0.001	0.009	0.006	<1	<0.01	
				26.5 - 27.3m White fine grained granite with greenish alteration and grading to slight greisen.		27.3	28.3	0.01	0.003	0.002	"	<0.001	<0.001	0.009	0.002	<1	"	
				27.3 - 29.0m Grey, green greisen.		28.3	29.3	0.02	0.003	0.002	"	0.003	0.001	0.007	0.008	<1	"	
				29.0 - 30.0m Pink to white fine grained granite with slight green alteration throughout. Biotite, and greenish micas.		29.3	30.3	0.15	0.005	0.001	"	0.008	<0.001	0.013	0.004	<1	"	
				30.0 - 30.1m Low angle (20°) slightly weathered mica vein.		30.3	31.3	0.04	0.004	0.003	"	0.001	<0.001	0.009	0.002	<1	"	
				30.1 - 31.7m White to slight pink fine grained granite with slight green alteration/ 2cm quartz vein at 45° to core axis at base of interval.		31.3	32.3	0.31	0.003	0.001	"	0.008	<0.001	0.010	0.002	<1	0.02	
				31.7 - 32.0m Low angle iron staining or vein.		32.3	33.3	0.31	0.004	0.002	"	0.001	<0.001	0.019	0.002	<1	<0.01	
				32.0 - 38.6m White fine grained granite with greenish micas, sericite throughout. Minor brown iron stained veins throughout.		33.3	34.3	0.18	0.003	0.003	"	0.001	<0.001	0.009	0.001	<1	"	
						34.3	35.3	0.06	0.004	0.001	"	0.001	<0.001	0.019	0.001	<1	"	
						35.3	36.3	0.04	0.004	0.002	"	0.002	<0.001	0.010	0.002	<1	"	
						36.3	37.1	0.02			"							

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

HOLE No. 1

SCALE:

212275

281

	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments.
BT 41 14.5m	<u>Biotite Adamellite</u> . Quartz 25-30% oligoclase 30-35% orthoclase 30-35% <u>brown</u> biotite 5-10%.	Relatively coarse even-grained granitic (sim. BT 40 45.4m).	Trace 1 ^o apatite muscovite zircon 2 ^o sericite chlorite.	Weakly altered (sericitisation oligoclase, chloritisation biotite) weakly stressed.
24.9m	<u>Biotite Adamellite</u> , Quartz 30-35% orthoclase 30-35% oligoclase 25-30% <u>brown</u> biotite 5-10%	Medium to coarse granitic	Trace 1 ^o apatite zircon muscovite 2 ^o sericite.	Typical brown biotite adamellite. Minor to moderate sericitisation of oligoclase and biotite.
30.6m	" <u>Aplite Greisen</u> ". Quartz 50-55% albite 20-25% muscovite 15-20% <u>green</u> 2-3% orthoclase 1% apatite 1%.	Quartz porphyritic trend aplitic, sim. BT40-28.7m but unbanded.	Very minor trace 1 ^o cassiterite. Minor 2 ^o sericite.	Greisen-like interstitial muscovite. Cassiterite very rare 25-100u skeletal semi-opaque particles often included in biotite.
33.1m	<u>Porphyritic Biotite Microgranite</u> . Orthoclase 30-35%, albite 30-35%, quartz 30%, <u>green</u> biotite 2-5%.	Quartz porphyritic medium grained.	1 ^o apatite trace muscovite, <u>cassiterite</u> minor 2 ^o sericite.	Sim. to BT40: 43.0m. Incipient sericitisation. <u>Cassiterite</u> rel. abundant (0.2-0.3%) as 20-500 (mean 100-150u) particles, distinctly intergranular habit.
86.2m	<u>Porphyritic Biotite Adamellite</u> Quartz 30-35% orthoclase 30% oligoclase 30% brown biotite 5-10%.	Granitic and relatively coarse weakly feldspar-porphyritic.	1 ^o apatite zircon 2 ^o chlorite sericite carbonate.	As for 24.9m. Weak to moderate sericitisation feldspar, chloritisation (with minor carbonate) of biotite.

NWPS 29408

RENISON LIMITED DIAMOND DRILL HOLE PLOT

HOLE No. : BT. 40

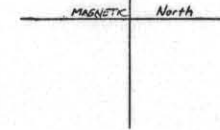
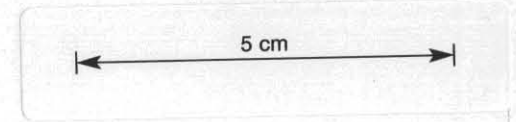
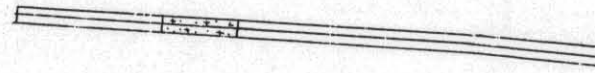
212277

283

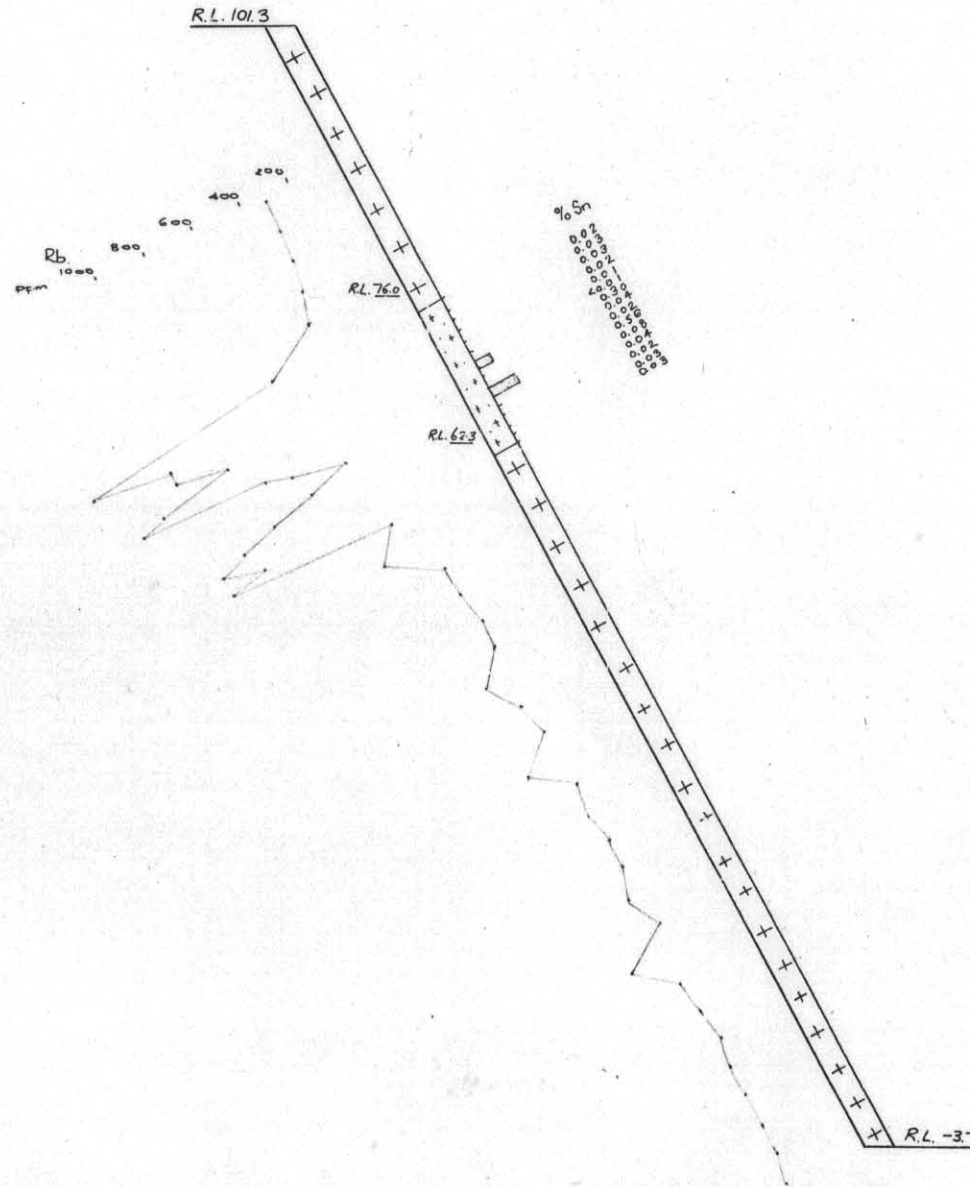
SCALE :



PLAN



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 40

212278

LOGGED BY : A. Ross

284

NWPS

INTERVAL (m)	RECOVERY		DESCRIPTION	FORM.	% Sn.												
	FROM	TO			m	%	FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mg	% Pb.	% Zn.	% Bi.	g/t Ag
0	6.0	0.7	11.7	Weathered pink aplite.													
6.0	28.75		100	PORPHYRITIC GRANITE													
				6.0 - 10.6m Orange brown weathered granite.				ppm.									
				10.6 - 13.1m Less weathered white-brown porphyritic granite with couple minor pegmatite veins 70° to CA. One narrow greisen vein at 60° to CA.		12	13	<5	0.001	<0.001	0.001	0.007	0.002				
				13.1 - 16.3m Orange-brown to white slightly more weathered porphyritic granite.		15	16	40	0.001	<0.001	0.001	0.005	0.001				
				16.3 - 20.5m Becoming fresher. Minor green clayey alteration at first, then blue-grey white porphyritic granite. Several dark diffuse veinlets at 45° to CA at 17.6m One or two iron stained joints.		18	19	10	0.001	<0.001	0.001	0.007	0.001				
				20.5 - 21.3m Increasing greenish clay alteration and overall soft porphyritic granite.		21	22	25	0.001	<0.001	0.001	0.007	0.003				
				21.3 - 23.8m Less soft, hard porphyritic granite with greenish alteration throughout. Orange-green alteration of feldspar.													
				23.8 - 24.4m Very broken clay alteration of porphyritic granite.													
				24.4 - 26.3m Less broken, greenish altered porphyritic granite with very large phenocrysts.		24	25	60	0.012	<0.001	0.002	0.006	0.001				
				26.3 - 27.1m Still porphyritic with slightly finer grained groundmass. Orange brown alteration.													
				27.1 - 28.75m Increasing reddish-orange-brown alteration. Minor greenish clay. Lower contact marked by 2cm pegmatite at 70° to CA.		27	28	30	0.002	0.001	0.003	0.013	0.001				
28.75	43.9		100	FINE GRAINED GRANITE/GREISEN with minor GREISEN				%									
				28.75 - 31.5m Greenish-brown equigranular fine grained granite/greisen with sericite-muscovite alteration. Few diffuse orange brown veinlets at 45° to C.A. Diffuse pegmatite veinlets.		28.75	30.0	0.02	0.007	0.001	<0.10	<0.001	<0.001	0.005	0.002	5	<0.01
						30.0	31.0	0.03	0.004	0.028	"	<0.001	0.001	0.007	0.003	5	"
				31.5 - 32.8m Creamy pink fine to medium grained granite with lesser alteration.		31.0	32.0	0.03	0.003	0.002	"	<0.001	<0.001	0.009	0.001	<1	"
						32.0	33.0	0.02	0.001	0.003	"	<0.001	<0.001	0.010	0.001	<1	"

DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 40

LOGGED BY : A. Ross

212279

285

NWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	% Sn.											
				FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃
32.8 - 34.6m		Mixture of grey-greenish fine grained granite/greisen and fine grained granite. Crude layering at 50° to CA. Occasional orange brown stain. Spotted biotite in places.		33.0	34.0	0.01	0.001	<0.001	<0.10	<0.001	<0.001	0.006	0.001	<1	<0.01
34.6 - 35.6m		White-slight green fine grained granite. Minor alteration. Orange brown staining at start of interval.		34.0	35.0	<0.01	0.004	0.001	"	0.001	<0.001	0.007	0.002	<1	"
35.6 - 36.9m		White-green fine grained granite/greisen with spotted biotite and alteration throughout.		35.0	36.0	0.39	0.004	<0.001	"	0.001	<0.001	0.012	0.002	<1	"
				36.0	37.0	0.04	0.003	0.001	"	0.006	<0.001	0.011	0.003	1	"
36.9 - 39.0m		Grades into less altered fine grained granite and minor fine grained granite/greisen with slight orange brown, alteration.		37.0	38.0	0.02	0.003	0.002	"	0.004	0.001	0.011	0.008	2	"
				38.0	39.0	0.56	0.005	0.001	"	0.063	<0.001	0.011	0.006	1	"
39.0 - 39.9m		Grey-greenish fine grained granite/greisen to greisen.		39.0	40.0	0.08	0.003	0.001	"	0.004	0.001	0.014	0.001	<1	"
39.9 - 43.9m		White to light green-yellowish fine grained granite and minor fine grained granite/greisen. Spotted biotite throughout.		40.0	41.0	0.04	0.004	0.001	"	0.001	<0.001	0.008	0.001	<1	"
				41.0	42.0	0.02	0.003	0.001	"	0.007	<0.001	0.010	0.001	<1	"
				42.0	43.0	0.03	0.003	0.001	"	0.001	<0.001	0.004	0.001	<1	"
				43.0	43.9	0.03	0.007	0.002	"	0.001	<0.001	0.006	0.001	<1	"
43.9 - 61.6	100	PORPHYRITIC GRANITE and minor alteration				ppm									
43.9 - 46.2m		Brick red alteration of porphyritic granite. Minor greenish alteration throughout. Upper contact sharp and 70° to CA.		44	45	5		0.002		<0.001	0.002	0.010	0.001		
46.2 - 46.6m		Less red and only greenish altered porphyritic granite.													
46.6 - 48.6m		Brick red-greenish altered porphyritic granite. Slightly less intense red colour.		47	48	70		0.002		"	"	0.007	0.002		
48.6 - 49.1m		White-pale green coarse grained granite and diffuse quartz rock.													
49.1 - 51.7m		Orange-brown-green clayey altered porphyritic granite. Minor broken core.		50	51	5		0.001		"	"	0.005	0.001		
51.7 - 51.8m		Broken pegmatitic rock.													
51.8 - 59.5m		Orange brown-green clayey altered porphyritic granite with minor pegmatitic veins at 70 - 80° to CA.		53	54	50		0.002		"	0.001	0.006	0.002		

DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 40

LOGGED BY : A. Ross

212280
286

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
						FROM	TO	TOTAL	ACIDS SOL.	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃
				59.5 - 61.4m	Very broken core as above.	56	57	<5		<0.001		<0.001	0.002	0.005	0.001		
				61.4 - 61.6m	Less broken as above.	59	60	10		"		"	0.001	0.004	"		
61.5	119.0		100	PORPHYRITIC GRANITE mainly 'blue-grey' white variety. Indurated													
				61.6 - 62.0m	Very fine grained slightly altered aplite with mixture of porphyritic granite. Lower contact 45° to C.A.	62	63	10		0.001		"	0.001	0.006	"		
				62.0 - 63.0m	Slight pink alteration and decreasing with depth.												
				63.0 - 68.5m	'Blue-grey' white porphyritic granite with only slight greenish clayey altera- tion. Commonly with dark grey xen- oliths of very fine grained granite.	65	66	<5		"		"	0.002	"	0.002		
				68.5 - 79.2m	As above without dark grey xenoliths.	68	69	20		0.001		"	0.002	"	0.001		
				79.2 - 79.23m	Quartz pegmatite vein at 70° to C.A. Minor greenish alteration.	71	72	25		<0.001		"	0.001	"	"		
				79.23 - 89.5m	As before. Blue-grey porphyritic granite with minor greenish alter- ation, and slight pink tinge in places.	74	75	<5		0.001		"	"	"	"		
						77	78	<5		0.002		"	"	0.005	"		
						80	81	45		0.001		"	"	0.006	"		
						83	84	80		0.001		"	"	0.007	"		
						86	87	25		0.001		"	0.002	0.005	<0.001		
				89.5 - 90.1m	Mixture of pegmatite-medium grained quartz feldspar. Almost graphic texture.	89	90	<5		0.008		"	"	0.004	0.001		
						92	93	5		0.001		"	"	0.006	"		
				90.1 - 92.7m	As before. Blue grey slightly altered porphyritic granite.												
				92.7 - 93.1m	Grey-white fine grained granite dyke. Contacts 40° to CA.	95	96	20		0.002		"	"	"	"		
				93.1 - 119.0m	As before. Mainly blue grey porphy- ritic granite with minor greenish alteration. Few minor zones exhibiting reddish alteration. One or two pegmatite zones (very narrow)	98	99	10		0.001		"	"	"	"		
						101	102	<5		0.001		"	0.001	0.006	"		
						104	105	15		"		"	0.002	"	"		
				End of Hole		107	108	15		"		"	"	0.005	"		
						110	111	15		0.002		"	0.001	0.006	"		
						113	114	10		0.021		"	0.002	0.012	"		
						116	117	<5		0.001		"	0.001	0.006	"		

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

HOLE No. :

SCALE:

212281

287

PETROLOGICAL DESCRIPTIONS

C.M.S. 78/2/18

	Rock Type - Primary Composition	Fabric	Minor Minerals	Comments
BT 40 24.6m	<u>Porphyritic Biotite Muscovite Adamellite</u> Orthoclase (weakly microperthitic) 30%, oligoclase, 30%; quartz, 30 - 35%; <u>brown</u> biotite, 5-10%, muscovite 1-2%.	Equigranular granitic, rare orthoclase phenocrysts.	1 ^o apatite small trace zircon 2 ^o chlorite sericite.	Weakly stressed mildly altered, partial sericitisation oligoclase marked chloritisation biotite.
27.8m	Biotite Adamellite. Oligoclase 30% quartz 30% orthoclase 20-25% brown biotite 10%.	Relatively coarse equigranular granitic	1 ^o apatite, small trace zircon muscovite 2 ^o chlorite sericite.	Very similar to 26.4m, weakly stressed, mildly altered as above.
28.7m	"Aplite Gneiss" Albite 40% muscovite 20% quartz 30% orthoclase 5-10% apatite 1-2%.	Fine grained weakly banded aplite-like, occasional quartz phenocrysts.	Minor 1 ^o magnetite trace cassiterite and <u>green</u> biotite.	Gneiss-like rock with late interstitial muscovite, Cassiterite is sparse, dark red-brown to near opaque, sized 20-75u, intergranular 1 ^o habit.
35.7m	<u>Sodic Biotite Granite</u> . Quartz 60% albite 25% <u>green</u> biotite 2-3% muscovite 10%.	Granular to granitic albite mainly laths in quartz.	1 ^o apatite, very minor trace cassiterite 2 ^o sericite, abundant late limonite on fractures.	Quartz-rich "leucogranite" clearly related to 28.7m with late muscovite. Cassiterite extremely rare 10 - 40u near-opaque intergranular particles.
38.5m	<u>Sodic Biotite Microgranite</u> . Quartz 50% albite 30 - 35% orthoclase 10% <u>green</u> biotite 2-3% muscovite 1-2%.	Granular to granitic (sim. 35.7m) -weakly quartz porphyritic.	1 ^o apatite, trace <u>cassiterite</u> 2 ^o sericite.	Closely related to 28.7m, 35.7m. Moderate sericitisation feldspar, biotite Cassiterite sparse evenly disseminated semi-opaque 50-120u particles, partly included in quartz and albite.
43.0m	<u>Porphyritic Biotite Micro-granite</u> . Quartz 40% albite 30% orthoclase 25% <u>green</u> biotite 5% pale green apatite 1%.	Medium-grained granitic fabric, quartz-porphyritic.	Minor traces cassiterite magnetite muscovite 2 ^o muscovite carbonate.	Unstressed, weak to moderate muscovitisation, carbonation of biotite. Cassiterite very sparse semi opaque 30-150u grains.
45.4m	Biotite Adamellite. Quartz 30% oligoclase 30% orthoclase 30% <u>brown</u> biotite 10%.	Relatively coarse even grained granitic.	Trace 1 ^o apatite muscovite 2 ^o chlorite sericite <u>green</u> biotite.	Similar to 24.6 and 27.8. Moderate sericitisation oligoclase, chloritisation biotite. Traces 2 ^o green biotite after feldspar, biotite.
68.4m	Biotite Adamellite, Quartz 25-30% oligoclase 25-30% orthoclase 25-30% <u>brown</u> biotite 10-15%.	Very similar to 45.4m.	Trace 1 ^o muscovite apatite zircon 2 ^o chlorite sericite.	Similar to 24.6m etc. Cognate xenolith (or contact with) finer biotite-rich micro-adamellite. Relatively weak alteration.

PLAN

⊗ S 415 617.5 N
S 85 067.0 E

NWPS 24451

HOLE No. : B.T. 1A

SCALE : 

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

DIP PROFILE

R.L. 316.8

% Gn.

0.03
0.03

0.03
0.03
0.03
0.03
0.03
0.03
0.02
0.03

Slight alteration

0.02
0.02
0.03
0.01
0.01
0.03
0.03
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0.02
0.03
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0.02

Fine Grained Granite

R.L. 135.3

% Gn.
0.03

Heavily kinked

Fine Grained Granite

R.L. 135.3

R.L. 72.6

5 cm

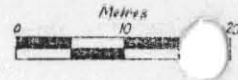
212283

289

NWPS 24451

HOLE No. : B.T. 39

SCALE :



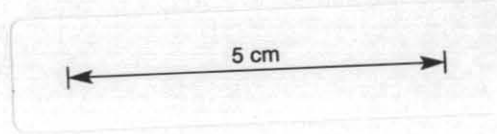
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212287

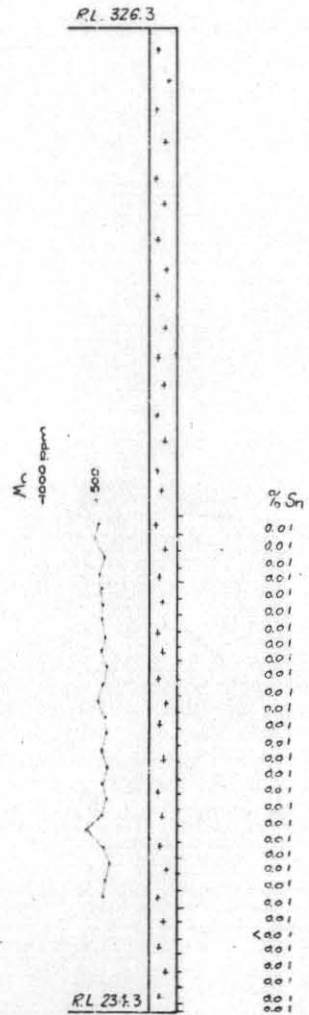
293

PLAN

⊗ 543536 - 8 N
585219 - 6 E



DIP PROFILE



INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
0	64.7			COARSE GRAINED GRANITE.												
				0 - 1.0m: No core.												
				1.0 - 18.7m: Iron stained. White. Lost 6.5m												
				18.7 - 21.3: Lost 30cms. Slightly pink over last 60cms.												
				21.3 - 23.4m: Light white/pink over first 15cms, grading white.												
				23.4 - 26.8m: White. Pinking towards 26.8m. Occasional greisen veinlets on joints. At 23.6m, 2mm vein, dark, 45° to horizontal core axis. Trace chalco. At 26.7m, 2mm												
				dark vein, 20 - 40° to h.c.a. Diffuse margins. Trace chalco. Lost 18cms.												
				26.8 - 28.2m: Lost 15cms. White and rare minor veinlets - barren.												
				28.2 - 30.1m: Lost 43cms.												
				30.1 - 30.9m: As above. At 30.6m, 2cm fine grained granite vein, walls diffuse but associated with biotite increase 35° to h.c.a												
				At 30.8m, to 31.1m, vein of fine grained granite. Upper junction not seen but appears to be associated with a greisen vein. At 33.8m, 4mm greisen.												
				30.40° to h.c.a. Trace chalco. Lower junction graded.												
				30.9 - 33.1m: Grades back to coarse grained granite.												
				33.1 - 33.9m: White 33.3m, greisen vein, 7cms, diffuse walls - angle not visible. Coarse grained granite at 33.8m. Pinked slightly.												
				33.9 - 36.0m: Lost 7cms. Pink over last 30cms. At 35.1m, 1cm greisen, 30° to h.c.a.												
				36.0 - 38.2m: Lost 6cms. Pink, very broken. At 37.5m, greisen vein 7cm, grey. Diffuse margins.												
				38.2 - 39.7m: Very broken and rotten. Kaolinised - some coarse and quartz feldspar. Lost 30cms.												
				39.7 - 42.7m: Pink. Quartz - feldspar in parts. Traces of greisen.												
				42.7 - 44.2m: White - pink. Lost 1.4m. Decomposed.												
				44.2 - 45.8m: Very decomposed. Pink. Lost 30cms. No biotite. At 45.1m, 2cm broken greisen with chalco present.												
				45.8 - 46.5m: Lost 37cm. Kaolinised. Pink.												
				46.5 - 47.5m: Lost 7cms. At 46.6, 5cm white fine grained granite vein. 30° to h.c.a. Sharply defined base. Diffuse top margin.												
				47.5 - 49.5m: Broken. Lost 5cm. At 48.0m, 15cm dyke of fine grained granite. Top junction 30° biotite - rock quartzose becoming finer grained downwards. Basal junction not seen.												
				49.5 - 51.2m: Broken. Pink.												
				51.2 - 53.4m: Lost 15cms. Grading whiter.												
				53.4 - 55.2m: Lost 5cms. Pink.												
				55.2 - 55.4m: Lost 5cms. Very broken. Greisen. Chalco present. No margins seen.												
				55.4 - 56.1m: Lost 15cms. Pink. Broken.												
				56.1 - 58.7m: White after 30cms. Greisenised near 58.5m.												
				58.7 - 62.3m: White.												
				62.3 - 64.7m: Lost 13cms. White pinking over last 30cms.												
				64.7 - 67.0m: Pink. At 66.1m, sharp change to fine grained granite - siliceous - very fine grained - dyke - to 66.8m. Top junction diffuse, 60° to h.c.a. Base broken - 80°. At 64.9m, 2mm greisen vein. 40° to h.c.a. Diffuse.												

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NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAIN	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
				67.0 - 70.0m: Pink grading white.													
				70.0 - 71.2m: White. Last 15cms quartz-feldspar vein. Top junction 70 ^o to h.c.a. Diffuse. White - medium to fine grained													
				71.2 - 73.1m: Fine grained granite - quartz feldspar. Lower junction 75 ^o of medium definition. Then white coarse grained granite. At 71.6m, 5mm sq. inclusion - dark.													
				73.1 - 76.0m: White.													
				76.0 - 79.8m: Pinked between 77.1 - 79.2m. Broken. At 78.5m, greisen/fine grained granite vein. Only basal junction seen, last 30cm white fine grained granite/greisen.													
				79.8 - 80.5m: White coarse grained granite.													
				80.5 - 83.4m: Lost 5cms. Last 7cm pink.													
				83.4 - 84.1m: Lost 15cms. Pink disturbed. Biotite rare.		90.8	149.4	All Nil	Sampled in 1.5m lengths.								
				84.1 - 84.7m: Coarse grained granite. Pink. Disturbed.													
	84.7	114.8		FINE GRAINED GRANITE - QUARTZ FELDSPAR & GREISEN PATCHES.													
				84.7 - 87.2m: 60cm transition area - greenish and fine grained greisen patches and veinlets. Finally becomes pink - siliceous fine grained quartz feldspar + greisen spots. Actual junction cannot be defined - graded. Trace chalco.		80.8	82.3	0.01									
							83.5	0.01									
							85.4	0.01									
				87.2 - 89.8m: Pink quartz feldspar + greisen patches. Pinker around 87.9m where is an increase in greisen patch density.			86.9	0.01									
							88.4	0.01									
				89.8 - 92.4m: Pink as above to 90.8m, then a 30cm dyke of fine grained granite/greisen. 50-70 ^o junctions to h.c.a. Both junctions well defined with a minute greisen fringe. Then pink white - as above - slightly coarser.			89.9	0.01	20	410	10	40	10	< 1			
							91.5	0.01	20	400	< 10	50	10	< 1			
							93.0	0.01	10	320	10	40	10	< 1			
							94.5	0.01	20	290	< 10	40	10	< 1			
				92.4 - 95.4m: Coarser quartz feldspar and greisen spots and pegmatite patches. At 93.1m, 2cm patch of quartz and feldspar and at 94.2m, 2cm quartz feldspar and biotite, talc and greisen. Irregular diffuse margins. At 96.9m, 2mm greisen vein, 50 ^o to h.c.a., Diffuse edges. At 95.3m, 7cm vein of fine grained granite/greisen.			96.0	0.02	20	420	< 10	30	< 10	< 1			
							97.6	0.02	50	310	< 10	50	10	< 1			
							99.1	0.01	20	350	10	40	10	< 1			
							100.6	0.01	30	370	< 10	60	10	< 1			
							102.1	0.01	20	320	< 10	40	20	< 1			
							103.7	0.01	60	300	< 10	40	10	< 1			
				95.4 - 97.2m: Coarse quartz-feldspar - mica + greisen spots. At 97.1 2mm greisen, very diffuse 50 ^o , margins, bright red mineral present - Fe stain.			105.2	0.01	30	480	10	40	10	< 1			
							106.7	0.01	20	420	< 10	50	10	< 1			
							108.2	0.01	20	450	< 10	60	10	< 1			
				97.2 - 97.9m: Siliceous and greisen veins and spots. Then feldspathic to 98.1m, leading to a 7cm greisen vein and spots. light-grey. Top junction - diffuse 45 ^o to horizontal			109.8	0.01	50	500	10	30	10	< 1			
							111.3	0.01	20	610	< 10	70	10	< 1			
							112.8	0.02	20	690	10	50	10	1			
							114.3	0.01	40	690	< 10	40	10	< 1			
							115.9	0.01	30	340	10	50	10	< 1			
							117.4	0.01	20	640	10	80	10	< 1			
				97.9 - 98.5m: Straight change to quartz feldspar mica and greisen veins and spots.			118.9	0.01	20	410	10	70	10	< 1			
							120.4	0.02	10	1000	10	80	10	< 1			
				98.5 - 100.6: White pink-white. Often very feldspathic. Last 5cm fine grained granite/greisen no junctions seen.			121.9	0.03	10	1400	10	110	10	< 1			
							123.5	0.01	20	830	10	80	10	< 1			
				100.0 - 103.6: Quartz - feldspar-mica and greisen spots etc. Between 102.1 and 102.4m, coarser, white - mainly quartz and some feldspar - junctions graded and diffuse.			125.0	0.01	20	440	10	90	10	< 1			
							126.5	0.01	30	390	10	70	10	1			
							128.0	0.01	30	390	10	70	10	< 1			
				103.6 - 1.6.2: White. Quartz - feldspar - mica + greisen spots. Latter occur over first 60cms, and are then almost absent.			129.5	0.01	20	400	10	100	10	< 1			
							131.1	0.01	60	410	10	110	10	< 1			
							132.6	0.01	20	350	10	90	10	< 1			
				106.2 - 114.8. As above, white to 112.5m, where pinks - slight increase of greisen spots and veins - but still very little. At 113.1m, 1cm pegmatite vein. Diffuse quartz-feldspar. Last 30cms coarser grading to coarse grained granite at 114.8m.			134.1	0.01	20	390	10	100	10	< 1			
							135.6	0.01	20	400	10	90	< 10	< 1			
							137.2	0.01	30	890	10	80	10	< 1			
							138.7	0.01	20	550	380	120	30	< 1			

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.		ppm			ppm				
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% Mn	% Mo	% Pb.	% Zn.	% Bi.
114.8	146.6			COARSE GRAINED GRANITE + GREISEN VEINS AND FINE GRAINED GRANITE/ GREISEN AND PEGMATITE.		140.2	0.01	40	450	70		110	10	< 1	
						141.7	0.02	30	540	10		130	10	< 1	
						143.3	0.01	30	350	10		90	10	< 1	
				114.8 - 117.3m: Graded junction, first 5cm has no biotite. Pink then broken. Pink - white. Some quartz - feldspar. At 117.2m, 7cm greisen vein, 70° to h.c.a. Diffuse junctions. Dark grey.		144.8	N/A	20	500	10		100	10	< 1	
						146.3	N/A	20	580	10		120	< 10	< 1	
						147.8	0.01	20	600	10		130	10	< 1	
						149.4	0.03	20	520	10		120	10	< 1	
				117.3 - 120.4m: Coarse grained granite. Pink to 119.2m, then grading white. The white area is quartz - feldspar and green talc.		150.9	0.10	20	490	10		110	10	< 1	
						152.4	0.02	20	440	20		100	10	< 1	
						153.9	N/A	10	620	30		140	40	< 1	
				120.4 - 122.9m: Lost 15cms. White, mostly quartz feldspar and talc. Last 60cms, pinks to coarse grained granite. At 120.7m, 5cm greisen, top junction not seen. Basal horizontal.		155.4	0.01	20	570	30		120	50	< 1	
						157.0	0.08	10	460	30		100	40	< 1	
						158.5	0.02	20	400	20		90	30	< 1	
				122.9 - 141.1m: White coarse grained granite. At 124.5m, 2cm quartz - feldspar - white diffuse, 45° to h.c.a. At 134.6m, 1 cm greisen 30° Diffuse. At 137.5m, 7cm fine grained granite/greisen area. Wall rock pink white for 5cm. Top junction 40° to h.c.a. Both diffuse. At 138.3m 5cm quartz - greisen. Wall rock pink for 5cms before and after top and basal junction, 20-30°, very diffuse. Moly associated with biotite patches - common. At 139.4m, 1cm fine grained granite/greisen and aplite. No wall rock pinking - irregular junction. Trace moly. At 140.8m, 7cm greisen and fine grained granite/greisen, dark. 30° to h.c.a. The wall rock for 1cm before and after is medium grained. Last 3cm of the vein is white grey. Fine grained granite/greisen.		160.0	0.02	20	370	20		70	30	< 1	
						161.5	0.01	20	500	10		90	20	< 1	
						163.0	0.02	20	400	10		70	20	< 1	
						164.6	0.01	20	360	< 10		70	30	< 1	
						166.1	0.01	20	330	10		60	10	< 1	
						167.6	0.02	20	280	10		40	< 10	< 1	
						169.6	< 0.01	20	360	< 10		40	< 10	< 1	
				141.1 - 141.4m: Continuous white, medium grained.											
				141.4 - 143.9m: After 15cms grades to coarse grained granite, and after 15cms pinks for 7cms prior to an aplite/fine grained granite/greisen vein, 45° junction to h.c.a. well marked junction, diffuse in detail, wall rock pink for 5cm beyond vein. Then coarse grained granite to 143.0m, where is 5cm vein of aplite/fine grained granite/greisen - no pinking of the wall rock, 45° to h.c.a. Then coarse grained granite to 143.8m. Pegmatite vein. 5cms white, quartz feldspar, with biotite at the base. Diffuse - sub horizontal junctions, then coarse grained granite to 143.9m, white.											
				143.9 - 144.3m: White. Coarse grained granite.											
				144.3 - 144.9m: Pink. Diffusely grained in parts. Coarse grained granite for first half, then a mixture of coarse grained granite pegmatite and fine grained granite. The pegmatite areas contain trace fluorite. Grading to:											
				144.9 - 146.5m: Pink coarse grained granite and biotite laths. Slightly mixed and is finer grained in parts - some feldspar crystals are coarse. Some of the finer areas are very diffusely grained. Fine grained granite/greisen/aplite dykes. Trace fluorite over last 30cms.											
				146.5 - 146.6m: Pegmatite. Quartz - feldspar - biotite + talc. Junction diffuse. 75° to h.c.a.											

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% Al.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
0	112.5			FINE GRAINED GRANITE/GREISEN AND QUARTZ-FELDSPAR-MUSCOVITE:												
				0 - 0.45m: None core												
				0.45 - 3.0m: Iron stained-pink/white. Lost 80cms. Broken.		6.1	7.6	0.03								
				3.0 - 6.1m: As above. Lost 45cms. Broken.			9.1	0.02								
				6.1 - 7.6m: Lost 5cms. As above. Broken. White.			10.7	0.03								
				7.6 - 8.5m: Lost 7cms. As above. White.			12.5	0.03								
				8.5 - 10.7m: Some iron stain. Off white.			13.7	0.02								
				10.7 - 12.5m: Lost 60cms. From 11.1m, greisenised for 20cms. As above.			15.2	0.02								
				12.5 - 13.7m: Lost 30cms. Light pink.			16.3	0.03								
				13.7 - 14.8m: Lost 15cms. As above.			17.8	0.02								
				14.8 - 15.2m: Pink, white.			19.4	0.03								
				15.2 - 16.3m: Lost 15cms. White. At 15.8m aplite vein, 15° to h.c.a.			20.9	0.02								
				16.3 - 19.4m: White. Some iron stain.			21.8	0.02								
				19.4 - 20.9m: White Fine. Some iron stain. Lost 30cms. At 20.7m, greisen - very fine and siliceous. Subhorizontal. Sharp margins.			23.2	0.05								
							24.7	0.06								
							26.2	0.03								
				20.9 - 21.8m: Pink in parts. Biotite sometimes absent.			27.7	0.03								
				21.8 - 23.2m: White.			29.3	0.03								
				23.2 - 24.7m: Lost 5cms. Quartz feldspar. Some iron stain.			30.8	0.03								
				24.7 - 26.2m: White. As above.			32.3	0.03								
				26.2 - 27.7m: First 30cms, quartz-feldspar, then fine grained granite/greisen.			33.8	0.02								
							35.4	0.02								
				27.7 - 29.3m: White and iron stain.			36.9	0.02								
				29.3 - 32.5m: White.			38.5	0.02								
				32.5 - 33.8m: White. Soft and broken in parts plus kaolin.			40.2	0.02								
				33.8 - 36.4m: As above. Lost 30cms.			41.7	0.02								
				36.4 - 37.0m: As above.			43.6	0.03								
				37.0 - 38.5m: As above. White/green. Little biotite-greenish mica.			45.3	0.03								
				At 37.6m, horizontal greisen vein/ Pyrite trace.			46.0	0.02								
				38.5 - 41.7m: Lost 20cms. White, Broken.			47.7	0.03								
				41.7 - 48.4m: White. Kaolinised joints. Broken in parts. Lost 48cms.			49.1	0.03								
				48.4 - 50.6m: Trace fluorite on kaolinised joints. At 49.7m, 2cm pegmatite, medium grained. Quartz feldspar and yellow talc/mica. Chalco trace. Lower junction diffuse 20° to h.c.a.			50.6	0.03								
							52.1	0.03								
				50.6 - 52.1m: Trace fluorite and kaolin on joints.			53.6	0.02								
				52.1 - 53.6m: Minute trace fluorite, kaolin very common, white.			55.2	0.03								
				53.6 - 54.1m: Kaolin present.			56.7	0.02								
				54.1 - 57.9m: White. At 55.8m, aplite, diffuse 45° to h.c.a. 2cms.			57.9	0.03								
				57.9 - 60.4m: Lost 7cm. White grey.			59.8	0.03								
				60.4 - 68.3m: White. Lost 37cm. Minute trace fluorite on joints.		51.0	112.5	All	Sampled in 1.5m lengths.							
				68.3 - 81.4m: White. Kaolin on joints in parts.				Nil								
				81.4 - 98.5m: Fine grained granite/greisen and fine grained granite. Trace fluorite on joints. Some kaolin and talc.		61.0	62.5	0.03	10	410	20	70	10	1		
				98.5 - 105.7m: Fine grained granite/greisen and fine grained granite. Kaolin and talc on joints over last 3m, where it is soft in parts. At 100.7m for 15cms is trace fluorite in greisen spots. White.			64.0	0.03	70	410	30	90	20	1		
							65.5	0.03	40	380	10	100	10	1		
							67.1	0.03	40	320	10	60	< 10	1		
							68.6	0.03	40	360	10	60	< 10	1		
				105.7-112.5m: White. Soft. Coarser fine grained granite. Kaolinised joints. Lost 10cms.			70.1	0.03	60	420	10	80	10	1		
							71.6	0.03	110	460	10	90	20	1		
							73.2	0.02	40	460	20	80	< 10	< 1		
							74.7	0.02	20	440	20	90	10	< 1		
							76.2	0.03	40	450	10	70	< 10	2		
							77.7	0.03	80	380	< 10	90	< 10	1		
							79.2	0.03	30	430	< 10	90	< 10	< 1		
							80.8	0.03	50	330	< 10	80	< 10	1		

END OF HOLE.

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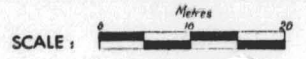
NWPS 28102

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

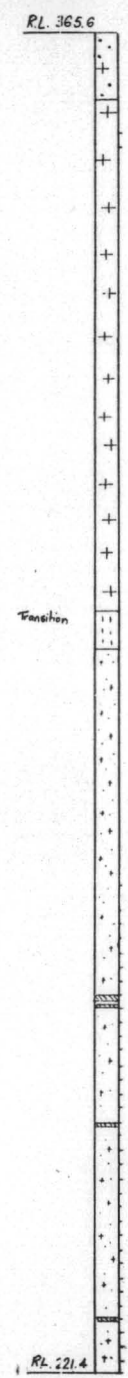
HOLE No. 1 BT 36

212300

306

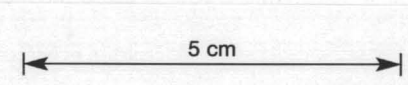


DIP PROFILE



% S₁
0.01

% S_n
< 0.01
0.01
< 0.01
< 0.01
< 0.01
< 0.01
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0.01
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< 0.01
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PLAN

RL 221.4

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.													
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃	
0	62.3			COARSE GRAINED GRANITE :															
				0 - 3.0m Lost 2.5m. Iron stained. White.															
				3.0 - 4.6m Lost 30cm. As above.															
				4.6 - 6.1m Lost 80cm. As above.															
				6.1 - 7.6m Lost 86cm. As above.															
				7.6 - 8.8m White.															
				8.8 - 12.9m All white. At 12.0m, for 12cm, grey greisen veinlet, 1cm, 80° to h.c.a. - diffuse walls. Quartz centre and trace chalco and minute trace cassiterite.		10.7	12.2	Nil											
				12.9 - 22.6m White. At 14.6, 1mm greisen vein, 65° to h.c.a. At 14.8m, 1mm quartz vein, 70° to h.c.a. At 12.9 to 13.9m, lost 30cm. At 18.7m, 2cm square, inclusion, dark biotite-quartz, fine grained. Between 19.8 and 21.5m lost 58cm.		10.7	12.2	0.01											
				22.6 - 24.7m White. At 23.5m, 5mm aplite, quartzose margin. No well rock alteration. 50° to h.c.axis. At 23.6m greisen joint, 60° to h.c. axis. Trace chalco. At 23.8m, minor greisen veinlet, 1mm diffuse walls. 80° to h.c.a. Trace chalco. At 24.7m, 2cm greisen vein 80° to h.c.a. Trace fluorite.		91.4	93.0	<0.01											
				24.7 - 27.7m Pinked below and above vein. Grades white by 25.3m. At 25.7m, 1cm greisen vein, 70° to h.c. axis.															
				27.7 - 30.9m White to 29.9m, slightly finer in parts. Veins become finer and white. Crisp black and white outline 30cm gradational change. At 30.5m, white quartz vein 80° to h.c. axis, 1cm sharp walls. Below it is a diffuse 70° greisen veinlet - last 7cms continues as quartz vein/aplite. White, 70° to h.c.a. Sharp margin All rather vaguely defined.															
				30.9 - 39.5m All white. At 30.9m, for 7cms, aplite vein. Upper junction 30°, lower subhorizontal. Both sharp and well defined. At 31.5m, for 7cms, 2cm quartz and white feldspar. Diffuse. At 32.3m, for 5cm, greisen grey diffuse 60 - 70° to h.c.a. At 33.2m, 2cm greisen vein 75° to h.c.a. At 35.8m, 1cm greisen vein 60° to h.c.a. At 36.1m, 5cm aplite, feldspar shaped quartz crystals. Pink. Margins 20 - 30° to h.c.a. At 36.2m 5cm grey aplite, 45° to h.c.a. Sharply defined. At 39.5m, coarse quartz feldspar and white mica, 55° to h.c.a. Diffuse. Subpegmatitic.															
				39.5 - 48.0m All white. Coarse grained granite. No greisen or aplite vein.															
				48.0 - 49.4m White. Pinking over 30cms.															
				49.4 - 50.6m Pink. Broken in centre. Kaolin joints															
				50.6 - 52.7m Pink. Broken in parts. Kaolin and green talc.															
				52.7 - 54.9m Lost 15cms. At 54.7, aplite - very fine grey - pink. Upper junction sharp, 55° to h.c.a. Feldspathic selvage. 23cms wide. Lower junction not visible.															
				54.9 - 57.2m Pink and talc/kaolin joints.															
				57.2 - 57.9m Pink															
				57.9 - 59.9m Lost 20cms. At 58.3, quartz greisen vein. 2cm diffusa.															
				59.9 - 61.4m Pink. Broken. Kaolin/talc joints.															

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
				61.4 - 62.3m As above. At 61.9m, 1cm greisen vein 50° to h.c.a. Feldspathic diffuse edges.													
62.3	66.3			TRANSITIONAL ZONE :													
				62.3 - 66.6m From 62.4 to 62.7m, 2cm dyke at 80° to h.c.a. Aplite granite, half assimilated, diffuse edges - granite feldspars intrude into the dyke. then 30cm granite pink, then another dyke.													
				66.2 - 64.2m Complex dyke. Upper and lower margins 80°. 12cm aplite, merging to 12cm coarse pegmatite - pink then 1cm greisen vein, then 2 - 5cm quartz and diffuse margins; then 15cm pegmatite, followed by 1cm apilitic material.													
				64.2 - 64.4m Pink													
				64.3 - 64.4m Dyke. Fine grained aplite feldspar. 80° to h.c.a. Diffuse walls.													
				64.4 - 65.1m White/Pink													
				65.1 - 66.3m Pink, sometimes near quartz-feldspar. Last 2cm, coarse quartz-greisen. Diffuse.													
66.3	103.6			FINE GRAINED GRANITE/QUARTZ-FELDSPAR - MUSCOVITE AND FINE GRAINED GRANITE/GREISEN.													
				66.3 - 67.1m First 2cm greisen, then very fine grained red fine grained granite and quartz feldspar muscovite and greisenised joints.													
				67.1 - 70.1m As above - red; grading pink, white. Greisen joints. At 70.0m, 5cm dark greisen. Diffuse horizontal.													
				70.1 - 73.2m First 45cm fine grained greenish colour. In first 15cm darker greisen spots are associated with chalco. Then 30cm disturbed material, fine grained granite-quartz feldspar muscovite, diffuse. Pink white and greisen joints. From 72.1m to 72.7m, becomes greenish again and dark green spots. One spot has trace chalco and bornite. Merges back into pink white fine grained granite and quartz feldspar muscovite.													
				73.2 - 74.7m Pink white fine grained granite and quartz feldspar muscovite and greisen veinlets, one at 73.5m is 6cm wide. Dark with white centre 20° to h.c.a.													
				74.7 - 76.2m Grey. Diffuse fine grained granite/greisen and greisen spots. Very fine grained.													
				76.2 - 79.2m Pink to 78.9m. Near quartz feldspar, then white.													
				79.2 - 82.3m White, fine grained granite/greisen. Diffuse and light grey greisen spots and greisenised joints.													
				82.3 - 83.5m As above. Joints 20 - 30° to h.c.a.													
				83.5 - 85.3m As above. Near quartz-feldspar in parts.													
				85.3 - 88.4m As above. Whiter. Mostly quartz feldspar muscovite At 87.5m, dark 45° to h.c.a.													
				88.4 - 90.4m As above, pinked. 50% quartz-feldspar-mica and minute greisen spots.													
				90.4 - 92.0m As above. Pinked. Mostly quartz-feldspar-mica. Low angle quartz veinlets.		91.4	114.3	All Nil	Sampled in 1.5 lengths								

212304

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
	110.1 - 111.7m			White. Last 15cms grey with 7cm kaolin.		114.5	115.8	0.10								
	111.7 - 115.2m			Grey. Trace mauve fluorite. Trace chalco, trace cassiterite.												
	115.2 - 116.0m			After 30cms, grades to white fine grained granite/greisen.		115.8	144.2	ALL NIL	SAMPLED IN 1.5m LENGTHS.							
	116.0 - 116.8m			White. Grades slowly to white quartz-feldspar-muscovite ± biotite.												
	116.8 - 117.4m			20cm fine grained granite/greisen to sharp 20° junction with fine grained quartz-feldspar. Grades over last 30cm.												
	117.4 - 117.7			<u>PEGMATITE/GREISEN</u> : Chalco common												
	117.7 - 138.3			<u>FINE GRAINED GRANITE/GREISEN and QUARTZ-FELDSPAR-MUSCOVITE</u>												
	117.7 - 118.3m			As above. Greisen spots. White grey												
	118.3 - 119.5m			As above. Siliceous												
	119.5 - 122.5m			Off white. Siliceous. Quartz-feldspar-muscovite with very little biotite, except over last 30cms. which is fine grained granite/greisen with 2cm grey patch at 122.5m. Subhorizontal. Last 2cms, quartz-feldspar-muscovite.												
	122.5 - 127.1m			Off white quartz-feldspar-muscovite and trace of greisen spots. At 96.2m, 5cm vein of medium grained coarse grained granite. Biotite edges - diffuse and wall rock alteration of fine grained granite/greisen for 1cm above and 7cm below.												
	127.1 - 128.6m			Quartz-feldspar-mica. White for first 30cms, then siliceous, finer and off white. Kaolinised joints.												
	128.6 - 131.7m			As above to 129.2m. Then 7cm coarse grained granite and quartz feldspar-junctions not seen grading into crisp quartz feldspar muscovite. Fine grained and greisen spots. Spots give mottled effect. Grey white.												
	131.7 - 134.8m			First 60cms as above, then grades to mixture of greisen, near greisen and fine grained granite greisen to 133.8m. Then back to quartz feldspar mica and patches of fine grained granite/greisen. Siliceous. Gray-white.												
	134.8 - 135.8m			Quartz-feldspar-muscovite and fine grained granite/greisen.												
	135.8 - 138.1m			As above. At 136.0m vein of medium to coarse grained granite and greisen selvage - grey. At 138.1m sudden appearance of fine grained granite plus biotite in excess. Patches of pegmatitic material.												
	138.1 - 138.3m			As above.												
	138.3 - 138.6			<u>PEGMATITE</u> : Quartz feldspar biotite and green talcose material. Diffuse edges. 70° to h.c.s.												
	138.6 - 144.2			<u>FINE GRAINED GRANITE/GREISEN and FINE GRAINED GRANITE</u>												
	138.6 - 141.1m			Nearer fine grained granite. Very fine for first 20cms grading coarser.												
	141.1 - 144.2m			As above, white. Last 28cms core END OF HOLE												

310

HOLE No. : *BT. 35*

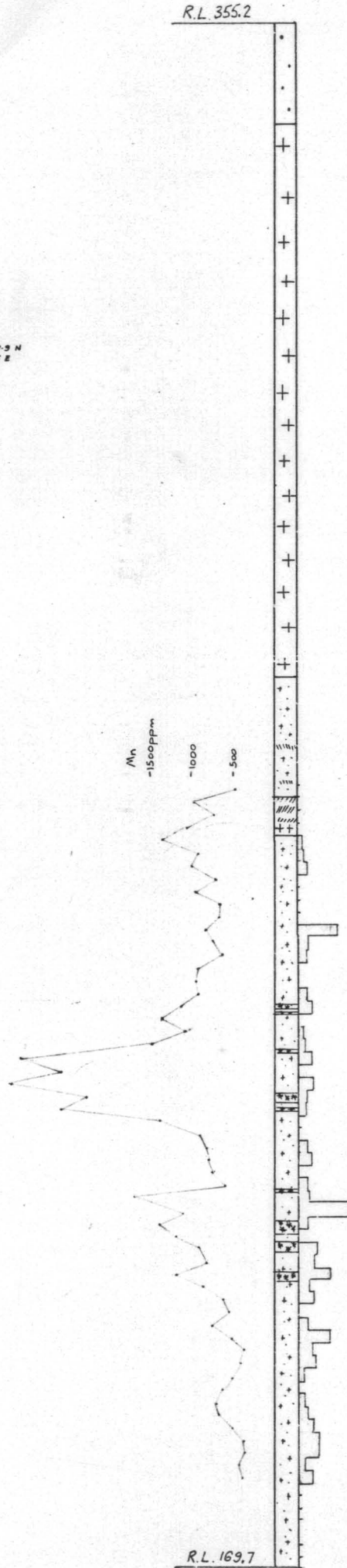
SCALE : 

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

PLAN

⊗
S035098-3 N
S05195-5 E

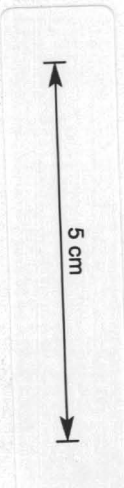
DIP PROFILE



% Sn

- <0.01
- <0.01
- <0.01
- <0.01
- R.L. 257.7
- 0.12
- 0.19
- 0.23
- 0.04
- 0.03
- 0.03
- 0.08
- 0.98
- 0.26
- 0.21
- 0.02
- 0.22
- 0.21
- 0.31
- 0.09
- 0.11
- 0.14
- 0.34
- 0.08
- 0.37
- 0.21
- 0.20
- 0.03
- 0.03
- 0.21
- 0.31
- 0.03
- 0.24
- 0.26
- 1.21
- 0.26
- 0.05
- 0.48
- 0.42
- 0.78
- 0.26
- 0.39
- 0.03
- 0.21
- 0.17
- 0.36
- 0.42
- 0.12
- 0.03
- 0.17
- 0.24
- 0.33
- 0.50
- 0.50
- 0.14
- R.L. 179.9
- 0.35
- 0.01
- 0.02
- 0.03
- 0.02
- 0.01
- 0.01

77.8m X 0.26% Sn



313

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	ANALYSIS										
FROM	TO	m	%			FROM	TO	% Sn.		ppm		ppm		ppm		g/t
							TOTAL	As STAN.	% Cu.	% Ag.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
0	12.1	1.3	10	Floater. 1.3m Coarse Grained Granite. Iron stained Lost 10.8m. Buff. Lost 15cms, broken aplite and greisenised coarse grained granite.												
12.1	78.5			Coarse Grained Granite :												
				12.1 - 15.8m : Fe stained, mostly white.		91.4	92.9	<0.01	20	490	10		50	20	1	
				15.8 - 18.3m : Lost 0.3m			94.4	<0.01	20	960	10		50	20	1	
				18.3 - 19.3m : Lost 0.4m			96.0	<0.01	20	740	20		40	20	<1	
				20.7 - 28.8m : White			97.5	<0.01	20	1050	<10		40	20	1	
				28.8 - 37.3m : White. 0.5m quartz-greisen vein-trace chalcopyrite, 70 - 80 to horizontal core axis.			99.1	0.12	10	1360	190		100	60	<1	
				37.3 - 46.0m : White. At 39.7m; large dark inclusion, 5cm x 2cm. Quartz-biotite very fine grained. Sharp margins. At 40.5m. Quartz veinlet, diffuse edges 0.25cms, trace chalcopyrite, 15° to core axis. At 41.5m, quartz veinlet diffuse edges. No chalcopyrite, 15% to core axis. At 42.4, subgreisen joint, 2.5cms, grey, 30° to core axis, diffuse walls. At 43.7m, 0.25cm grey greisen-quartz vein, diffuse trace chalcopyrite.			100.6	0.19	10	920	30		100	50	1	
				46.0 - 47.3m : lost 25cms. white			102.1	0.23	10	1000	30		100	50	<1	
				47.3 - 50.2m : White. At 48.6m 1cm greisen-quartz vein, diffuse walls, 20° to core axis. At 49.1m, similar vein, 0.25cms, 50 - 60° to core axis.			103.6	0.04	10	720	20		90	40	2	
				50.2 - 53.3m : White to 51.5, then pinks, pinkest around 52.3, white by 53.3m.			105.2	0.03	10	950	<10		130	60	2	
				53.3 - 54.8m : Pinks again to quartz-greisen vein at 53.7, 1cm, 50° to core axis, then shades white. Pink for 15cm at 54.2m Grades pink-white.			106.7	0.03	10	680	10		90	50	1	
				54.8 - 63.8m : White with areas of pink-white from 58.7m. At 60.1m, 2.5cm greisen joint, 70° to core axis. Diffuse walls, no selvedge pink. At 61.4, 1cm greisen joint, 70° to core axis. Diffuse walls. At 63.8m, 2.5cms greisen joint 20° to core axis.			108.2	0.08	10 (b)	690	<10		110 (95)	40	1 (<1)	
				63.8 - 72.4m : White, except 65.6 - 66.9m-pink. Rare minor quartz-greisen veinlets.			109.7	0.98	10 (g)	850	0		120 (95)	40	2 (<1)	
				72.4 - 79.5m : White at 73.9. Thin quartz-greisen vein 40° to core axis. At 74.2, 2.5cm greisen vein, 50 - 60° to core axis. Diffuse edges. At 77.2, lacks biotite for 10cms, replaced by green talc.			111.3	0.26	10 (g)	750	10		120 (95)	40	<1 (<1)	
							112.8	0.21	20 (h)	640	10		100 (15)	30	2 (<1)	
							114.3	0.02	10 (h)	940	70		170 (150)	80	2 (<1)	
							115.8	0.02	20 (h)	940	50		280 (230)	40	2 (<1)	
							117.3	0.21	20 (h)	930	10		160 (110)	30	3 (<1)	
							118.9	0.31	20 (h)	1150	<10		200 (140)	40	3 (1)	
							120.4	0.09	10 (h)	1300	10		290 (240)	30	1 (1)	
							121.9	0.11	10 (h)	1100	<10		280 (140)	20	<1 (<1)	
							123.4	0.14	10 (h)	1500	10		270 (220)	80	2 (1)	
							125.0	0.34	10 (h)	3200	10		330 (340)	570	4 (4)	
							126.5	0.08	(15)	(2600)			(380)		(1)	
							128.0	0.37	(12)	(3200)			(550)		(1)	
							129.5	0.21	(15)	(2300)			(360)		(1)	
							131.1	0.50	(12)	(2600)			(480)		(1)	
							132.6	0.03	(18)	(1400)			(250)		(1)	
							134.1	0.03	(12)	(920)			(130)		(1)	
							135.6	0.21	(15)	(840)			(120)		(1)	
							137.2	0.31	(12)	(810)			(100)		(1)	
							138.7	0.03	(15)	(770)			(150)		(1)	
							140.2	0.24	(10)	(610)			(100)		(1)	
							141.7	0.26	(10)	(1700)			(270)		(1)	
							143.3	1.21	(12)	(1100)			(180)		(1)	
							144.8	0.26	(15)	(1400)			(220)		(1)	
							146.3	0.05	(12)	(1200)			(170)		(1)	
							147.8	0.48	(10)	(920)			(160)		(1)	
							149.4	0.42	(12)	(820)			(120)		(1)	
							150.9	0.78	(6)	(1200)			(150)		(1)	
							152.4	0.26	(12)	(870)			(150)		(1)	
							153.9	0.39	(10)	(620)			(110)		(1)	
							155.4	0.03	(10)	(550)			(100)		(1)	
							157.0	0.21	(12)	(790)			(170)		(1)	
							158.5	0.77	(12)	(510)			(100)		(1)	
							160.0	0.36	(8)	(380)			(85)		(1)	
							161.5	0.42	(8)	(410)			(80)		(1)	
							163.1	0.12	(10)	(520)			(110)		(1)	
							164.6	0.03	(10)	(640)			(140)		(1)	
							166.1	0.17	(8)	(690)			(150)		(1)	
							167.6	0.24	(12)	(680)			(150)		(1)	
78.5	86.1			Fine Grained Granite/Greisen: and Fine Grained Granite 78.5 - 81.1m : Junction of fine grained granite and aplite, seems 15° to core axis.												

REVISION RE-ASSAY U.S. Assays in br. brts done by AMBEL (Report AC 1005/79)

212309

LOGGED BY: R. G. Taylor

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
91.2	91.5			<u>Fine Grained Granite/Greisen-Fine Grained Granite- Quartz feldspar:</u> 91.2 - junctions with fine grained granite- diffuse but well defined-subhorizontal 5cm dyke. At 91.3m junctions with coarse white quartz-feldspar; sharp 75° for 8cm. At 91.4m, back sharply at 75° to grey fine grained granite for 18cms. Lower junction 75°.													
91.5	92.8			<u>Coarse Grained Granite with coarse quartz-feldspar</u> 91.5m; Coarse grained granite, white, grading finer at 92.2m - pinks slightly and at 92.8m, grades sharply to		91.4	92.9	Nil									
92.8	92.9			<u>Quartz-Feldspar-Pegmatite :</u>		92.9	94.4	Nil									
92.9	93.2			<u>Quartz-feldspar Rock :</u> Pegmatite grades sharply to diffuse quartz-feldspar rock, which in turn grades quickly.													
93.2	95.4			<u>Coarse Grained Granite:</u> 93.2 -94.7m : Grey-pink, greisenised. Talcose joint at 75° to h.c.a. 94.7 - 95.4m : Becoming lighter grey. Sharp change to:-		94.4	96.0	Nil									
95.4	95.9			<u>Quartz-Feldspar - Fine Grained Granite :</u> 95.4 - 95.9m : White - possibly another dyke. Margins obscure 75° joint on margin Okaoilin filled. Continues to 95.9m.													
95.9	96.0			<u>Quartz-Feldspar (coarse)</u> Sharp change. Diffuse 40° to h.c.a. junction. Near pegmatite.													
96.0	96.6			<u>Quartz Feldspar - Fine Grained Granite</u> Graded, diffuse junction. At 96.5 another semi- pegmatitic Quartz-Feldspar patch - 0.03m - sharply graded junctions - subhorizontal?		96.0	97.5	Nil									
96.6	97.7			<u>Coarse Grained Granite</u> 96.6 - 97.7m : Sharp change - graded. White. Loss of biotite over last 0.3m.		97.5	99.1	0.10									
97.7	117.9			<u>Fine Grained Granite/Greisen</u> 97.7 - 97.8m : Like type specimen. Junction area broken, but seems a gentle gradation over 0.15m. Grey-white. 97.8 - 98.5m : 0.1m as above, then 0.1m with central 0.03m grey dark greisen vein. 45° to h.c.a.. Flanked by coarser Quartz-Feldspar & greisen.													

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NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
				Junction 45 ⁰ . Then grey-dark fine grained granite/greisen. No mineralisation.													
				98.5 - 100.8m : Grey to 99.0m. Minute trace cassiterite, then 0.15m white and trace cassiterite, then 0.23m grey plus trace cassiterite, then white grey-trace cassiterite.		99.1	100.6	0.13									
				100.8 - 103.9m Grey white to 103.0m. Minute trace cassiterite. Grey for 0.3m near Greisen-then white grey.		100.6	102.1	0.21									
				103.9 - 107.1m White-grey. Minute trace cassiterite over last 1.22m		102.1	103.6	Nil									
				107.1 - 109.8m Grey white. Last 1.37m cassiterite, trace present. Greyer over 1.0m of this Last 0.3m grey-white.		103.6	105.2	Nil									
				109.8 - 112.9m First, 0.9m grey-white. Cassiterite trace very rare. Grading whiter. Trace cassiterite.		105.2	106.7	Nil									
				112.9 - 115.9m Grey white. Trace molybdenite at 115.2. No cassiterite.		106.7	108.2	Nil									
				115.9 - 117.0m Grey white. Trace cassiterite over last 0.46m		108.2	109.7	0.94									
				117.0 - 117.9m Grey white. Trace cassiterite		109.7	111.3	0.21									
				117.9 - 118.4m Greisen : trace - very rare cassiterite		111.3	112.8	0.19									
				118.4 - 118.5m Fine Grained Granite/Greisen : Trace cassiterite		112.8	114.3	Nil									
				118.5 - 118.8m Greisen : No cassiterite		114.3	115.8	Nil									
				118.8 - 123.1m Fine Grained Granite/Greisen : Near greisen in parts. Dark grey over last 0.3m. Cassiterite absent for most part. Trace over last 1.2m.		115.8	117.3	0.19									
				123.1 - 123.2m Greisen : Green. Minute trace cassiterite.		117.3	118.9	0.28									
				123.2 - 128.3m Fine Grained Granite/Greisen : Cassiterite trace-very rare Near greisen, dark over first 0.45m. Trace cassiterite.		118.9	120.4	Trace									
				125.5 - 126.4m Near greisen. Much biotite		120.4	121.9	0.10									
				126.4 - 126.9m Near greisen. Much biotite		121.9	123.4	Trace									
				126.9 - 128.0m First 0.46m pinked. Cassiterite-trace rare Then grey near greisen in parts cassiterite trace.				0.10									
				128.0 - 128.3m After trace cassiterite		123.4	125.0	0.27									
				128.3 - 129.7m Greisen : Trace-very rare-cassiterite Grey. Cassiterite-trace-very rare-rare. Molybdenite trace. Grades to :-		125.0	126.5	Nil									
						126.5	128.0	0.31									
						128.0	129.5	0.18									

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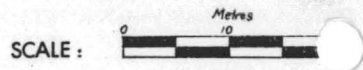
NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
				150.0 - 150.1m White - very rare cassiterite. Then grey cassiterite-very rare-rare.		149.4	150.9	0.76									
150.1	151.0			<u>Greisen</u> : Grey. Cassiterite very rare-rare. Trace over last 15cms.													
151.0	185.5			<u>Fine Grained Granite/Greisen</u> :													
				151.0 - 151.7m Whiter													
				151.7 - 152.7m Whiter. Cassiterite trace-very rare, rare in patches - very fine grained cassiterite.		150.9	152.4	0.23									
				152.7 - 153.6m Whiter. Cassiterite trace-very rare, absent in last 15cms.													
				153.6 - 154.4m Whiter		152.4	153.9	0.37									
				154.4 - 155.3m White													
				155.3 - 156.2m White. Last 8 cms greyer.		153.9	155.4	Nil									
				156.2 - 157.0m Grey for 0.6m. Cassiterite trace- rare. Last 0.3m whiter trace cassiterite.		155.4	157.0	0.19									
				157.0 - 157.7m White. Cassiterite trace - very rare.													
				157.7 - 160.3m White. Trace cassiterite.		157.0	158.5	0.69									
				160.3 - 161.2m White/grey. Cassiterite trace (very rare over last 15cms.)		158.5	160.0	0.29									
				161.2 - 162.1m White/grey. Trace cassiterite.		160.0	161.5	0.39									
				162.1 - 163.0m Whiter. Minute trace cassiterite.													
				163.0 - 163.9m White		161.5	163.1	Trace									
				163.9 - 164.8m White 15cms then grey. Trace molybdenite.		163.1	164.6	Nil									
				164.8 - 165.7m White grey. Trace cassiterite over last 0.3m (very rare over last 15cms.)	n	164.6	165.1	0.15									
				165.7 - 166.5m White grey. Trace cassiterite. Trace molybdenite.		165.1	167.6	0.19									
				166.5 - 167.4m White grey. Trace cassiterite.		167.6	169.2	0.28									
				167.4 - 168.2m White. Minute trace cassiterite.													
				168.2 - 169.1m (159.9 - 169.1m - lost 20cms. White grey. Trace cassiterite.													
				169.1 - 169.5m White grey. Trace very rare cassiterite													
				169.5 - 170.4m Whiter. Trace cassiterite.		169.2	170.7	0.40									
				170.4 - 171.3m Whiter. Minute trace cassiterite.													
				171.3 - 172.3m White. Trace cassiterite. Very rare in parts.		170.7	172.2	0.46									
				172.3 - 173.0m White. Trace cassiterite. Minute trace molybdenite.		172.2	173.7	0.13									
				173.0 - 173.4m Lost 15cms. White													
				173.4 - 174.0m White. Trace cassiterite. Very rare in parts.		173.7	175.3	0.32									
				174.0 - 174.0m White. Trace cassiterite. Very rare over last 3cms, kaolinised joints.		175.3	176.8	Nil									
				174.9 - 175.8m White. Minutest trace cassiterite		176.8	178.3	Nil									
				175.8 - 177.6m White. Barren		178.3	179.8	Nil									
				177.6 - 178.5m White. Minute trace molybdenite		179.8	182.9	Nil									
				178.5 - 179.5m White. Minutest trace cassiterite at		182.9	184.4	Nil									
				179.2m		184.4	185.5	Nil									

378

NWPS 29406

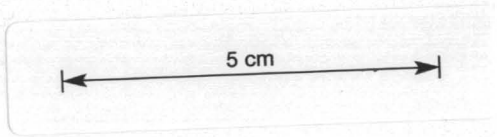
RENISON LIMITED DIAMOND DRILL HOLE PLOT



212315

HOLE No.: BT. 34

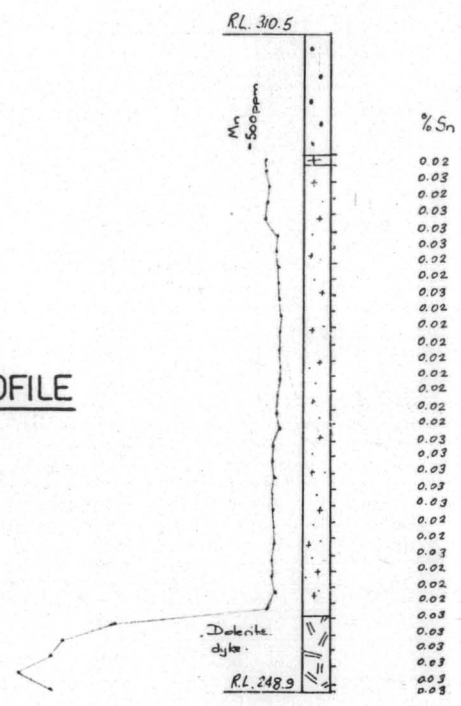
321



PLAN

⊗
BALSAM - AN
SILICA - DE

DIP PROFILE



NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.		ppm		ppm Mo		ppm		ppm		g/t Ag.	g/t WO ₃		
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.				
0	11.3			No core for 10.7m. 60cms coarse grained granite.															
11.3	12.2			COARSE GRAINED GRANITE/QUARTZ FELDSPAR : Lost 5cms. Mostly quartz feldspar. Junction at 12.2m. Broken															
12.2	54.6			FINE GRAINED GRANITE/GREISEN + FINE GRAINED GRANITE and QUARTZ FELDSPAR		12.2	61.6	ALL NIL	SAMPLED IN 1.5m LENGTHS										
REINSON RE-ASSAY																			
				12.2 - 12.5m White. Fine grained granite and quartz feldspar. Junction quartzose and biotitic.		11.3	12.2	0.02	10	350	< 10		50	30	1				
				12.5 - 14.0m Fine grained granite, fine grained granite/greisen, quartz feldspar. All grey white. Variable composition Trace interstitial fluorite.			13.7	0.03	10	330	< 10		50	20	1				
				14.0 - 15.4m Fine grained granite/greisen. Grey white. Minute fluorite.			15.2	0.02	10	310	< 10		20	20	1				
				15.4 - 16.9m Fine grained granite. White. Trace fluorite.			16.8	0.03	10	330	< 10		50	40	1				
				16.9 - 18.4m As above. Kaolin in joints.			18.3	0.03	10	350	< 10		70	30	1				
				18.4 - 19.1m As above			19.8	0.03	10	240	< 10		50	30	1				
				19.1 - 27.3m White. Fine grained granite/greisen. Broken from 23.8 to 24.4m.			21.3	0.02	10	250	< 10		50	30	1				
				27.3 - 28.5m As above. Last 1m, broken with kaolin on joints.			22.9	0.02	10	220	< 10		40	30	< 1				
				28.5 - 30.8m Fine grained granite/greisen abd fine grained granite. Kaolinised joints. Trace fluorite - blue in last 30cms. and on joints.			24.4	0.03	10	220	< 10		40	20	1				
				30.8 - 33.5m As above. White. Kaolinised joints.			25.9	0.02	10	210	< 10		40	20	< 1				
				33.5 - 36.1m White. As above.			27.4	0.02	10	200	< 10		50	30	< 1				
				36.1 - 38.1m As above. At 36.7m, 1cm quartz veinlet 45° to h.c.a.			29.0	0.02	< 10	210	< 10		40	30	< 1				
				38.1 - 38.7m As above. Broken. White. Lost 5cms			30.5	0.02	10	220	< 10		40	30	< 1				
				38.7 - 44.5m As above. Broken.			32.0	0.02	10	210	< 10		40	30	1				
				44.5 - 49.7m Fine grained granite/greisen and fine grained granite. White and kaolin on joints.			33.5	0.02	10	220	10		120	30	1				
				49.7 - 52.7m Becomes more sharply grained - crisper outlines. Strong black and white contrast, with green/blue talc spots. and kaolin.			35.1	0.02	10	230	< 10		70	30	< 1				
				52.7 - 54.6m As above. Biotite altering - becoming green.			36.6	0.02	10	240	10		60	30	< 1				
							38.1	0.03	10	220	10		60	30	3				
							39.6	0.03	10	270	10		60	40	2				
							41.1	0.03	10	250	10		100	30	1				
							42.7	0.03	10	240	10		70	30	< 1				
							44.2	0.03	10	250	20		70	20	< 1				
							45.7	0.03	10	270	10		70	20	1				
							47.2	0.03	10	260	< 10		70	20	1				
							48.8	0.02	10	260	< 10		80	10	2				
							50.3	0.03	10	250	< 10		80	20	1				
							51.8	0.02	10	260	< 10		70	10	< 1				
							53.3	0.02	10	250	< 10		70	10	< 1				
							54.9	0.02	20	340	< 10		40	10	< 1				
							56.4	0.03	80	1770	< 10		60	30	3				
							57.9	0.03	70	2230	< 10		60	30	3				
							59.4	0.03	70	2350	< 10		70	20	3				
							61.0	0.03	70	2650	< 10		70	20	2				
							61.6	0.03	50	3350	< 10		110	30	3				
54.6	61.6			DIABASE DYKE															
				54.6 - 56.1m Junction, almost vertical. Broken. Shgrp. Dark grey extremely fine grained. Cannot distinguish components Contains small vesicles with talc patches. From 56.1m, the wg size increases to 2mm - filled with white and green talcose material (fine grained															

323

NWPS 28406

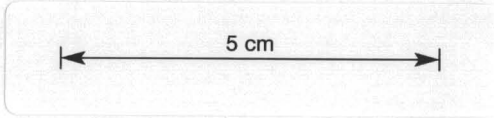


RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212319

HOLE No. : BT. 33

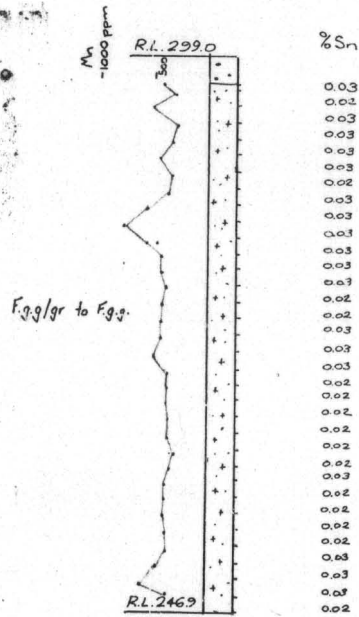
325



PLAN

⊗
5836418 · 6 N
584765 · 9 E

DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : R.T. 33

LOGGED BY : R.G. Taylor

326

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	ANALYSIS												
FROM	TO	m	%			FROM	TO	% Sn.	ppm As STAN.	ppm % Cu.	ppm % Ag.	ppm % S.	% Pb.	ppm % Zn.	ppm % Bi.	g/t Ag.	g/t WO ₃	
0	2.4			NO CORE														
2.4	52.1			FINE GRAINED GRANITE/GREISEN ± FINE GRAINED GRANITE		2.4	52.1	ALL NIL	SAMPLED IN 1.5m LENGTHS									
				2.4 - 4.0m	RENISON RE-ASSAY													
				Lost 20cms. Iron stained. Kaolinised fine grained granite/greisen.														
				4.0 - 5.5m		2.4	3.0	0.03	10	420	<10	90	50	1				
				Soft over first 60cms. Kaolinised														
				5.5 - 6.1m			4.6	0.02	10	300	<10	60	10	<1				
				Lost 15cms.														
				6.1 - 9.1m			6.1	0.03	10	510	10	120	50	<1				
				White.														
				9.1 - 10.5m			7.6	0.03	10	280	10	50	10	1				
				White/grey. Trace to very rare moly. Trace fluorite. Lost 15cms.			9.1	0.03	20	330	30	60	10	1				
				10.5 - 11.3m			10.7	0.03	10	450	110	100	20	1				
				White.														
				11.3 - 14.3m			12.2	0.02	<10	330	10	70	<10	<1				
				White. Trace fluorite. Iron stained over last 5cms.			13.7	0.03	10	360	10	70	<10	<1				
				14.3 - 15.5m			15.2	0.03	10	560	20	100	20	<1				
				Mostly Fe stained.														
				15.5 - 17.1m			16.8	0.03	10	780	60	100	50	1				
				Mostly white.														
				17.1 - 18.9m			18.3	0.03	10	460	10	110	10	<1				
				Trace fluorite														
				18.9 - 19.8m			19.8	0.03	10	420	<10	110	20	1				
				White. Trace fluorite on joint.														
				19.8 - 28.5m			21.3	0.03	10	420	10	90	20	1				
				White fine grained granite/greisen and fine grained granite. Nearer fine grained granite barren.			22.9	0.02	10	380	10	100	10	1				
				28.5 - 37.2m			24.4	0.02	10	420	<10	90	20	1				
				As above. More broken-kaolinised joints and talc. At 31.1m, trace moly. Mostly fine grained granite/greisen.			25.9	0.03	10	440	10	90	30	1				
				37.2 - 41.0m			27.4	0.03	10	430	20	90	30	1				
				As above.			29.0	0.03	10	500	<10	80	20	1				
				41.0 - 42.4m			30.5	0.02	10	360	<10	90	<10	1				
				As above. Lost 7cms.			32.0	0.02	10	360	40	100	<10	<1				
				42.4 - 43.6m			33.5	0.02	10	380	<10	80	<10	1				
				As above.														
				43.6 - 47.9m			35.1	0.02	10	360	<10	60	<10	1				
				White. Fine grained granite/greisen. Fine grained granite.			36.6	0.02	10	360	<10	80	<10	<1				
				47.9 - 50.3m			38.1	0.02	10	390	20	80	20	1				
				White/grey. Trace fluorite near 49.1m. One speck of moly at 49.6m			39.6	0.03	10	360	20	70	20	<1				
				50.3 - 52.1m			41.1	0.02	10	390	<10	70	20	<1				
				White fine grained granite/greisen and fine grained granite			42.7	0.02	10	380	10	70	20	1				
							44.2	0.02	10	400	10	80	20	1				
							45.7	0.02	10	390	10	70	20	<1				
							47.2	0.03	10	380	20	80	20	2				
				END OF HOLE			48.8	0.03	10	460	10	110	40	3				
							50.3	0.03	10	620	30	160	50	3				
							52.1	0.02	10	380	<10	80	30	1				

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

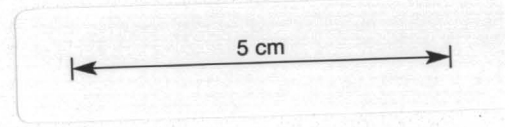
HOLE No. ; BT. 32

328

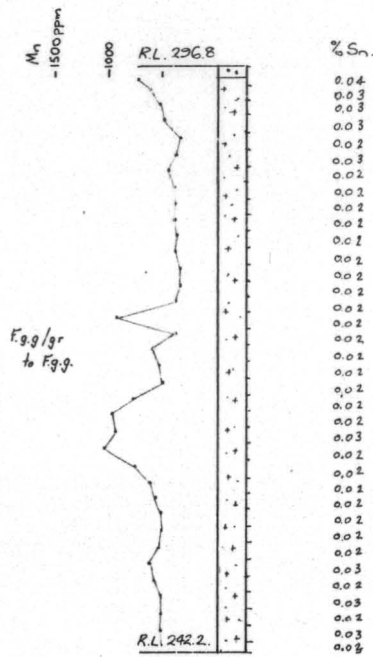


PLAN

SASSAR - 8 N
384832 - 7 E



DIP PROFILE



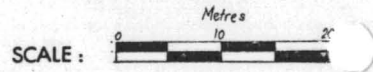
NWPS 28406

RENISON LIMITED DIAMOND DRILL HOLE PLOT

212325

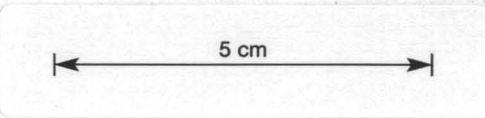
HOLE No. : B.T. 31

331

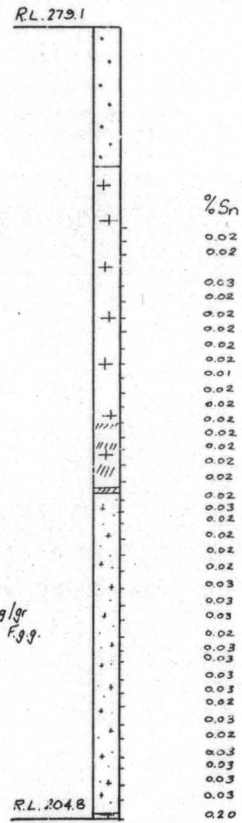


PLAN

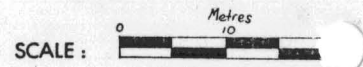
⊗
S435187-2 N
S85048-6 E



DIP PROFILE



NWPS 28406

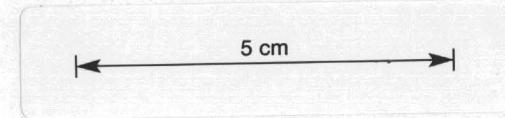


RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212330

HOLE No. : BT. 30

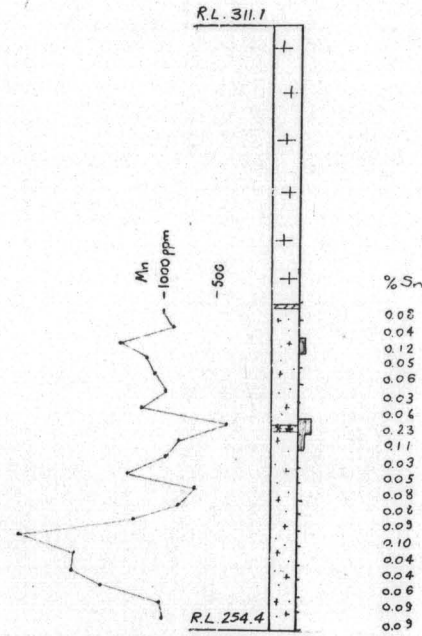
336



PLAN

 EAST - 5 1 N
SERRA - 2 E

DIP PROFILE



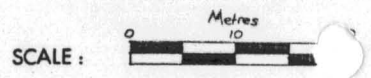
NWPS 20408

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212333

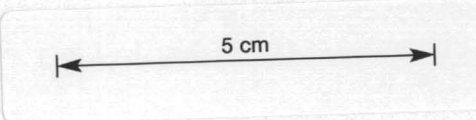
HOLE No. : BT.29

339

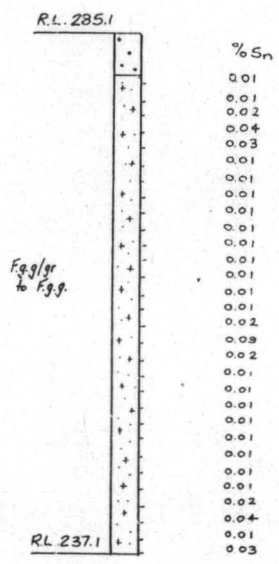


PLAN

⊗
SABSEK-2N
86A073-4 E



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 29

340

LOGGED BY : R.G. TAYLOR

NWPS

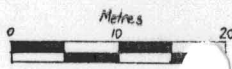
INTERVAL (m)	RECOVERY		DESCRIPTION	FORM.	% Sn.												
	FROM	TO			m	%	FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
0	48.8																
			FINE GRAINED GRANITE/GREISEN AND FINE GRAINED GRANITE														
0 - 4.6m			LOST 4.0m. Fe STAINED, FINE GRAINED GRANITE/GREISEN.														
4.6 - 7.6m			LOST 23cms. FINE GRAINED GRANITE/GREISEN AND FINE GRAINED GRANITE		0	48.8	ALL										
7.6 - 9.1m			LOST 10cms. AS ABOVE. MINUTE TRACE MOLY AND FLUORITE,														
9.1 - 11.0m			LOST 15cms. AS ABOVE. WHITE														
11.0 - 12.5m			LOST 5CMS. AS ABOVE. WHITE.														
12.5 - 21.8m			AS ABOVE. WHITE														
21.8 - 22.7m			LOST 20cms. FINE GRAINED GRANITE/GREISEN. CREAMY WHITE.														
22.7 - 25.3m			AS ABOVE.														
25.3 - 28.3m			AS ABOVE. TRACE MOLY (MINUTE)														
28.3 - 31.4m			AS ABOVE.														
31.4 - 37.5m			FINE GRAINED GRANITE AND FINE GRAINED GRANITE/GREISEN.														
37.5 - 39.4m			AS ABOVE. WHITE, BROKEN, KAOLINISED JOINTS.														
39.4 - 41.5m			LOST 17cms. FINE GRAINED GRANITE/GREISEN. BROKEN OVER LAST 60cms. BROKEN KAOLINISED YELLOWISH JOINTS.														
41.5 - 43.1m			LOST 7cms. BROKEN KAOLINISED JOINTS.														
43.1 - 44.2m			LOST 7cms. AS ABOVE.														
44.2 - 46.3m			LOST 80CMS. AS ABOVE. FINE GRAINED GRANITE/GREISEN.														
46.3 - 48.8m			AS ABOVE														
			END OF HOLE														

RENISON RE-ASSAY

SAMPLED IN 1.5m LENGTHS

NWFS 33406

SCALE:



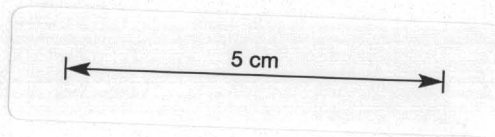
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212336 HOLE No.: B.T.28

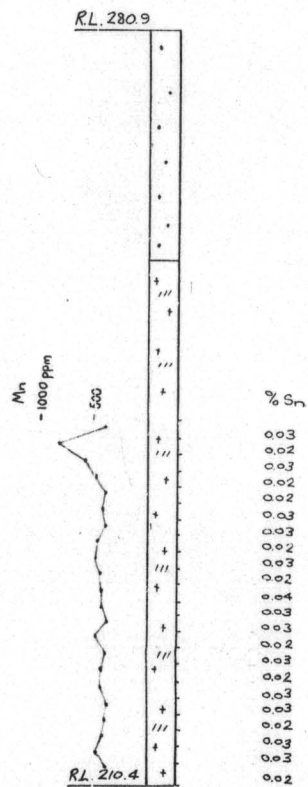
342

PLAN

⊗
648160·8 N
886170·9 E



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 28

212337

LOGGED BY : R.G. TAYLOR

343

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	ANALYSIS												
						FROM	TO	TOTAL	% Sn.	% Cu.	% Ni.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃	
0	21.6			NO CORE														
21.6	70.5			FINE GRAINED GRANITE AND QUARTZ-FELDSPAR														
21.6	23.4			BROKEN AND IRON STAINED, PINK. SOME MEDIUM GRAINED. BIOTITE CONTENT VARIABLE.														
23.4	24.3			VERY BROKEN. AS ABOVE. QUARTZ FELDSPAR WHEN BIOTITE IS ABSENT.														
24.3	25.1			LOST 23cms. MOSTLY PINK QUARTZ-FELDSPAR.														
25.1	25.7			LOST 30cms. FINE GRAINED PINK QUARTZ-FELDSPAR														
25.7	26.2			LOST 5cms. PINK FINE GRAINED GRANITE.														
26.2	26.8			LOST 10cms. FINE GRAINED GRANITE/QUARTZ - FELDSPAR														
26.8	27.3			LOST 12cms. FINE GRAINED GRANITE. PINK. GREISENISED 70° JOINT.														
27.3	28.0			FINE GRAINED GRANITE. QUARTZ-FELDSPAR		36.6	38.1	0.03	10	380	<10		70	10				
28.0	28.5			LOST 18cms. PINK FINE GRAINED GRANITE			39.6	0.02	30	320	<10		80	10				
28.5	29.2			FINE GRAINED GRANITE/QUARTZ FELDSPAR. BECOMES WHITE BY 29.2m. GREISEN JOINT 5cms, AT 70° AT 28.9m. (PINK SELVEDGE).			41.1	0.03	10	580	<10		70	10				
29.2	30.0			LOST 15cms. FINE GRAINED GRANITE. MOSTLY NEAR QUARTZ-FELDSPAR. BROKEN. PINK			42.7	0.02	10	490	<10		70	10				
30.0	30.9			AS ABOVE			44.2	0.02	20	350	<10		80	10				
30.9	31.3			FINE GRAINED GRANITE/QUARTZ FELDSPAR			45.7	0.03	30	410	<10		110	20				
31.3	32.1			LOST 13cms. PINK QUARTZ FELDSPAR			47.2	0.03	20	390	<10		60	10				
32.1	32.4			AS ABOVE. GREISENISED AT 32.4m			48.8	0.02	20	460	<10		90	10				
32.4	33.6			LOST 18cms. PINK FINE GRAINED GRANITE/GREISEN AND 2cm GREISEN VEIN 70°			50.3	0.03	20	480	<10		90	10				
33.6	36.6			FINE GRAINED GRANITE/QUARTZ-FELDSPAR. GREISEN VEIN 2.5cm AT 34.3m			51.8	0.02	10	440	<10		90	10				
36.6	38.7			AS ABOVE. LAST 15cms, BROKEN. HARD QUARTZ KAOLIN.			53.3	0.04	10	430	<10		90	10				
38.7	39.7			AS ABOVE. FIRST 15cms. HARD KAOLIN AND QUARTZ STRINGERS.			54.9	0.03	10	420	<10		70	10				
39.7	42.3			FINE GRAINED GRANITE/QUARTZ FELDSPAR. GREISENISED IN PARTS. PINK.			56.4	0.03	10	300	<10		70	10				
42.3	44.4			FINE GRAINED GRANITE AND FINE GRAINED GRANITE/GREISEN. WHITE, PINK. KAOLINISED JOINTS AND PURPLE FLUORITE. JOINTS SUBVERTICAL.			57.9	0.02	20	480	<10		80	20				
44.4	45.3			AS ABOVE.			59.4	0.03	20	390	<10		80	10				
45.3	56.0			WHITE TO WHITE PINK. FINE GRAINED GRANITE AND FINE GRAINED GRANITE/GREISEN. SUBVERTICAL KAOLIN-TALC JOINTS.			61.0	0.02	20	410	<10		80	10				
56.0	59.1			AS ABOVE., BECOMING IMPERCEPTABLY COARSER. COARSE AT 58.5m. NO MINERALOGICAL DIFFERENCE.			62.5	0.03	20	430	<10		80	10				
59.1	58.5			MEDIUM-COARSE. FINE GRAINED GRANITE AND KAOLINISED JOINTS. WHITE.			64.0	0.03	20	360	<10		80	10				
61.6	70.5			AS ABOVE. QUARTZ INCREASE FOR 60cms FROM 69.3 TO 69.9m.			65.5	0.02	30	390	<10		80	10				
				END OF HOLE			67.1	0.03	20	400	<10		70	10				
							68.6	0.03	10	480	<10		80	10				
							70.5	0.02	10	380	<10		70	10				

36.6 70.5 ALL SAMPLED IN 1.5m LENGTHS
NIL

GREISEN RE-ASSAY

DIAMOND DRILL RECORD

HOLE NUMBER : B. T. 27

212340 LOGGED BY : R. G. Taylor

346

NWPS

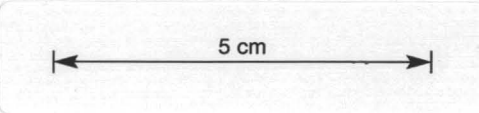
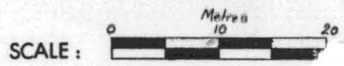
INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.												
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% Mn.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃	
0	61.0			FINE GRAINED GRANITE/GREISEN		0	4.3	0.28										
				0 - 4.3m : Fe stained. Lost 2.5m Cassiterite rare to present. Fluorite very rare. Chalco pyrite trace. Moly trace.		4.3	61.0	All sampled in 1.5m lengths NIL										
				4.3 - 6.0m: Lost 83cms. Trace cassiterite. Trace fluorite.														
				6.0 - 7.5m: Trace-fluorite. Trace pyrite, chalco.														
				7.5 - 9.2m: Trace cassiterite, trace moly.														
				9.2 - 12.2m: Lost 15cms. Cassiterite present to trace. Fluorite very rare to trace. Chalco trace. Moly trace.		0	4.3	0.31	0.010	0.09		0.009		2				
				12.2 - 12.4m: White. Trace moly. Trace fluorite.			6.1	0.03	0.009	0.15		0.023		3				
				12.4 - 13.6m: Lost 27cms.			7.6	0.02	0.008	0.18		0.026		2				
				13.6 - 15.4m: Trace fluorite. Trace chalco, pyrite.			9.1	0.02	0.007	0.18		0.025		2				
				15.4 - 18.2m: Lost 8cms White. Minute trace fluorite and moly.			10.7	0.12	0.007	0.18		0.021		2				
				18.1 - 19.7m: Lost 23cms. Lost near 19.0m. Minute trace fluorite and moly.			12.2	0.07	0.015	0.20		0.040		5				
				19.7 - 21.8m: White.			13.7	0.04	0.006	0.10		0.015		1				
				21.8 - 22.4m: Fine grained granite in part. Trace fluorite.			15.2	0.03	0.024	0.12		0.022		5				
				22.4 - 25.4m: White. Minute trace fluorite, kaolinised joints.			16.8	0.04	0.002	0.09		0.012		<1				
				25.4 - 28.4m: Near fine grained granite. Trace fluorite. Kaolinised.			18.2	0.04	0.003	0.10		0.013		1				
				28.4 - 30.2m: As above. No fluorite. Kaolinised joints.			19.6	0.05	0.003	0.07		0.010		1				
				30.2 - 31.5m: Lost 10cms Fine grained granite/greisen and kaolinised.			21.3	0.03	0.005	0.06		0.007		1				
				31.5 - 34.5m: Lost 30cms. White.			22.9	0.01	0.002	0.05		0.011		<1				
				34.5 - 37.1m: Fine grained granite/greisen and fine grained granite. Kaolinised joints.			24.4	0.01	0.001	0.05		0.006		<1				
				37.1 - 39.2m: As above.			25.9	0.01	0.002	0.05		0.009		<1				
				39.2 - 39.6m: Fine grained granite/greisen. White and trace fluorite.			27.4	0.02	0.002	0.07		0.009		<1				
				39.6 - 42.6m: As above. Plus kaolin and green talc.			29.0	0.02	0.002	0.07		0.009		<1				
				42.6 - 44.9m: As above. Very kaolinised.			30.5	0.04	0.002	0.06		0.008		<1				
				44.9 - 47.5m: As above. Lost 33 cms.			32.0	0.06	0.002	0.06		0.009		<1				
				47.5 - 48.1m: As above.			35.1	0.04	0.002	0.05		0.008		<1				
				48.1 - 50.4m: As above. Grey.			36.6	0.03	0.001	0.06		0.011		<1				
				50.4 - 53.3m: As above. Grey. At 52.2m, 2mm fluorite veinlet at 10° to h.c. axis. Kaolin.			38.1	0.01	0.002	0.05		0.009		<1				
				53.3 - 56.1m: As above. White.			39.6	0.01	0.002	0.14		0.020		1				
				56.1 - 61.0m: Fine grained granite/greisen and fine grained granite. White. Some kaolin.			41.1	0.01	0.007	0.12		0.018		2				
				END-OF-HOLE.			42.7	0.01	0.001	0.06		0.008		<1				
							44.2	0.02	0.002	0.05		0.008		<1				
							45.7	0.04	0.002	0.07		0.009		<1				
							47.2	0.02	0.001	0.06		0.007		<1				
							48.9	0.01	0.001	0.10		0.014		<1				
							50.3	0.01	0.001	0.08		0.014		<1				
							51.9	0.01	0.002	0.08		0.013		<1				
							53.3	0.01	0.002	0.06		0.010		<1				
							54.9	0.01	0.001	0.06		0.010		<1				
							56.4	0.01	0.001	0.06		0.010		<1				
							57.9	0.01	0.002	0.06		0.010		<1				
							59.4	0.01	0.001	0.05		0.008		<1				
							61.0	<0.01	0.005	0.05		0.009		<1				

NWPS 28406

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212342 HOLE No. : BT.26

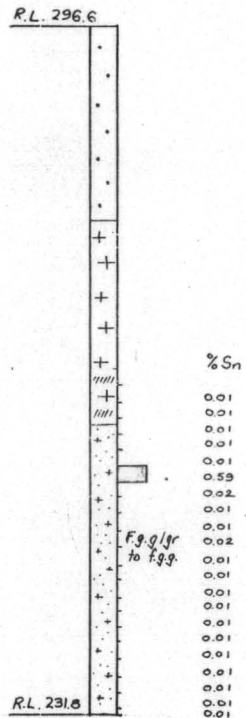
348



PLAN

⊗
6486232-5 N
586132-2 E

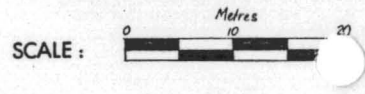
DIP PROFILE



349

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
0	18.3			No core.													
18.3	32.0			COARSE GRAINED GRANITE.													
				18.3 - 21.3m: Lost 45cms. White. Iron stained and greisenised along joints.		33.5	35.1	<0.01									
				21.3 - 22.8m: Lost 12 cms. As above.			32.6	<0.01									
				22.8 - 23.0m: Vein quartz-feldspar and rare biotite. Junction sharp	70°		38.1	0.01									
				23.0 - 23.9m: White. At 23.9m, 2cm greisenised joint.			39.6	0.01									
				23.9 - 27.0m: Lost 46cms, probably at 25.9 or 26.2m. At 25.5m, 2cm white quartz-feldspar-70°			41.1	0.01									
				27.0 - 29.1m: Lost 1.4m, iron-stained, broken. First 25cms, quartz feldspar-fine grained granite/greisen. Pink, Lower junction 73° with coarse grained granite - pink for 23cms -grading white.			42.7	0.59									
				29.1 - 29.2m: White.			44.2	0.02									
				29.2 - 30.0m: White/grey. Diffusely greisenised in parts.			45.7	0.01									
				30.0 - 32.0m: Becoming whiter. At 30.6m, 2cm quartzose vein 50°-60° diffuse margins.			47.2	0.01									
							48.8	0.02									
							50.3	0.01									
							51.8	0.01									
							53.3	0.01									
							54.9	0.01									
							56.4	0.01									
							57.9	0.01									
							59.4	0.01									
32.0	32.2			GREISEN: Diffuse junctions, 80° to forizontal c. axis.			61.0	0.01									
32.2	37.5			COARSE GRAINED GRANITE AND QUARTZ-FELDSPAR			62.5	0.01									
				32.2 - 32.5m: Greisenised, white. Loss of biotite.			64.0	0.01									
				32.5 - 33.3m: 5cms of quartzose greisen-sub horizontal. Then 10cms coarse grained granite - no mica (biotite). Then mixed normal and biotite free coarse grained granite.			64.0	0.01									
				Greisenised near 33.2m.													
				33.3 - 36.3m: Mixed coarse grained granite and mica free quartz-feldspar. White. Last 60cms mostly quartz-feldspar. At 33.6m, unusual very fine grained inclusion of quartz-biotite.		33.5	41.1	All Nil	Sampled in 1.5m lengths								
				36.3 - 37.2m: Slightly pinked - mixed as above, mostly without biotite. At 36.5m, greisen.													
				37.2 - 37.5m: Transition zone. Mixed. 2cm greisen-coarse. 15 cms fine grained white quartz feldspar and fine grained granite/greisen. Then 10cms altered greisenised coarse grained granite.													
37.5	64.8			FINE GRAINED GRANITE/GREISEN and FINE GRAINED GRANITE													
				37.5 - 38.2m: Heavily biotised over first 13cms - black grading to white.													
				38.2 - 41.2m: Lost 88cms, Last two thirds fine grained granite/greisen White.		41.1	42.7	0.59									
				41.2 - 43.7m: Lost 5cms. Over first 30cms, becomes aplitic, followed by 2cm pegmatitic vein. Then aplitic material with feldspar phenocrysts. Trace cassiterite associated with ore phenocryst. At 41.7m, for approx 60cms, there appears to be a vein of coarse grained granite/greisen on one side of the core - very diffuse grained. The other half is fine grained granite/greisen. Margin diffuse. In the coarse material is trace cassiterite, trace fluorite and at 42.2m, is a patch of very coarse, very common cassiterite and trace chalco, and trace fluorite.													
				Rest of core is mostly white barren fine grained granite/greisen. Trace interstitial fluorite. Occasional greisen patch with trace chalco.		42.7	64.8	All Nil	Sampled in 1.5m lengths								

NWFS 29406



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

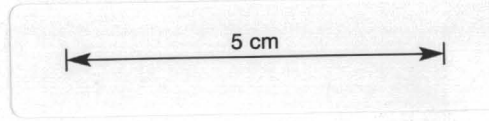
212346

HOLE No.: B.T. 25

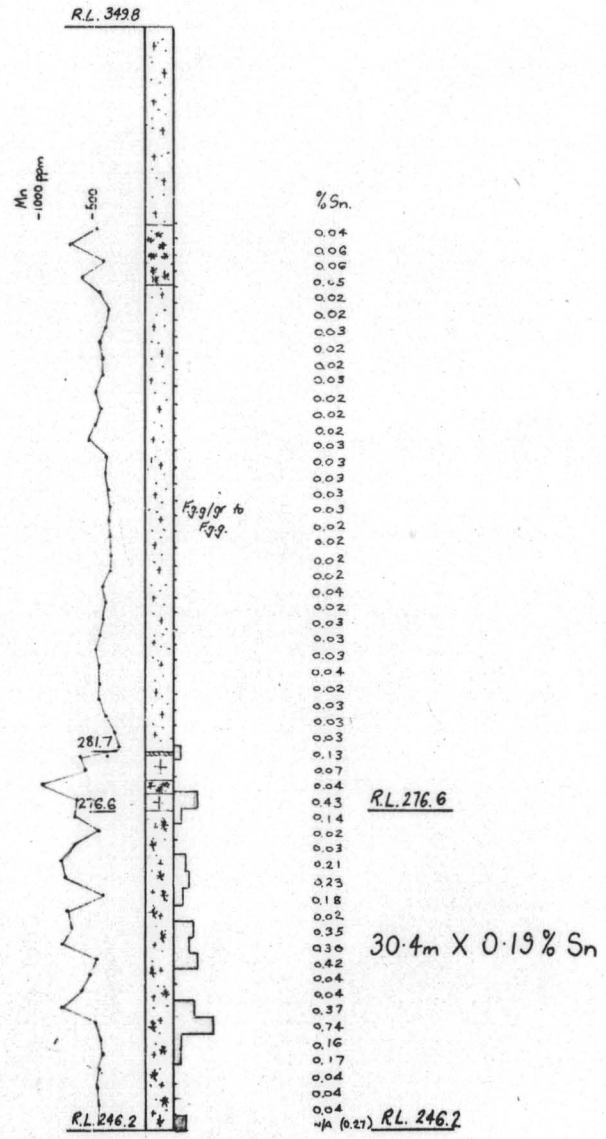
352

PLAN

5435350-6 N
585163-9 E



DIP PROFILE



NWPS

353

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM	% Sn.											
				FROM	TO	TOTAL	As STAN.	% Cu.	ppm As.	ppm Mo	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
0	9.1	<u>FINE GRAINED GRANITE/GREISEN</u>		<u>REINSON RE-ASSAY</u>											
		0.- 2.4m: Lost 25cms. White-grey, some slightly pinked. One 1mm quartz-vein, 3mm pink wall rock alteration.		18.3	19.8	0.04		700	440	10		30	<10	13	
		2.4-3.0m: Lost 7cms.			21.3	0.06		4250	700	<10		2800	20	69	
		3.0-4.6m: BX			22.9	0.06		2400	320	<10		250	50	48	
		4.6-6.1m: Lost 1dcm. White grey. Iron stained in parts.			24.4	0.05		4650	580	20		1800	30	23	
		6.1-7.7m: Lost 67cms.			25.9	0.02		110	410	10		180	20	5	
		7.7-9.1m: Lost 67cms.			27.4	0.02		40	330	10		170	20	3	
					29.0	0.03		60	360	20		150	20	2	
					30.5	0.02		90	410	10		140	20	2	
9.1	9.3	<u>GREISEN</u>			32.0	0.02		40	400	10		130	50	2	
					33.5	0.03		50	390	20		110	10	2	
9.3	18.5	<u>FINE GRAINED GRANITE/GREISEN and minor GREISEN:</u>			35.1	0.02		50	450	30		140	70	3	
		9.3 - 12.2m: Lost 1,2m. Junction 45° Barren.			36.6	0.02		30	410	20		150	40	3	
		12.2 - 13.7m: Lost 30cms. White over last 30cms. Iron stained.			38.1	0.02		50	470	20		300	70	3	
		13.7 - 15.2m: Lost 96cms. White. Iron stained.													
		15.2 - 18.5m: Lost 2.3m. Mostly light grey green greisen and fine grained granite/greisen. Iron stained.		18.3	71.6	All	Sampled in 1.5 lengths								
						Nil									
					39.6	0.03		40	520	70		240	10	3	
					41.1	0.03		50	360	10		90	20	1	
					42.7	0.03		130	360	20		220	30	1	
					44.2	0.03		60	340	<10		60	20	1	
					45.7	0.03		40	330	<10		70	20	<1	
					47.2	0.02		30	340	<10		50	10	1	
					48.8	0.02		60	320	<10		70	20	<1	
					50.3	0.02		90	310	10		80	40	<1	
					51.8	0.02		90	320	<10		100	20	<1	
					53.3	0.04		90	390	10		120	20	1	
					54.9	0.02		80	360	<10		130	40	1	
					56.4	0.03		100	390	<10		100	30	2	
					57.9	0.03		110	410	<10		70	30	2	
					59.4	0.03		100	450	<10		80	30	2	
					61.0	0.04		170	420	<10		90	30	2	
					62.5	0.02		100	420	20		70	30	2	
					64.0	0.03		160	420	<10		70	20	2	
					65.5	0.03		100	360	<10		100	10	1	
					67.1	0.02		260	280	<10		60	20	3	
					68.6	0.13		160	240	30		100	40	27	
					70.1	0.07		170	600	10		120	10	2	
					71.6	0.04		100	550	<10		130	10	1	
					73.2	0.43		170	950	10		210	40	27	
					74.7	0.14		100	630	10		100	30	16	
					76.2	0.02		270	650	10		110	10	3	
					77.7	0.03		220	420	<10		70	20	4	
					79.2	0.21		9900	650	80		310	290	88	
					80.8	0.23		1600	770	120		110	70	26	
					82.3	0.18		550	730	20		90	30	9	
					83.8	0.02		170	390	<10		60	30	3	
					85.3	0.35		940	710	30		120	30	21	
					86.9	0.30		950	690	20		90	30	20	
					88.4	0.42		1500	760	10		90	30	24	
					89.9	0.04		300	430	<10		60	20	4	
					91.4	0.04		420	500	<10		50	10	7	
					93.0	0.37		360	540	10		100	30	10	
					94.5	0.74		600	780	<10		130	40	12	

DIAMOND DRILL RECORD

HOLE NUMBER : G.T. 25,

212348

LOGGED BY : R.G. Taylor.

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.									
						FROM	TO	TOTAL	As STAN.	ppm Cu	ppm Mn	ppm Mo	% Pb.	% Zn.	% Bi.
				At 40.3m, 3mm quartz vein, 20° to h.c.a. axis. The fine grained granite immediately below has trace chalco.		96.0	0.16	320	450	<10		60	40	9	
				40.8 - 42.8m: White fine grained granite/greisen. From 41.0 to 41.2m, finer grained. Upper junction diffuse, lower sharp. 45 - 50°		97.5	0.17	220	400	<10		40	20	4	
				At 41.9m, diffuse patches of finer fine grained granite/greisen. Ore 1cm veinlet is 25° to h.c.a. axis. Sharp walls. Around 41.5m, the country rock becomes medium grained - diffuse change. At 42.9m		100.6	0.04	100	410	<10		90	10	3	
				2.5cm aplite, sharp edges, 20 - 30° h.c.a. axis. From 42.1 to 42.8m, returns to normal grain size.		102.1	0.04	160	420	<10		90	20	4	
				43.8 - 46.1m: Fine grained granite/greisen. At 44.7m, 2cm quartzose patch and feldspars - horizontal. At 45.4m, 8mm quartz veinlet.		103.6	-	130	420	<10		90	20	5	
				2cm wall rock alterations to quartz feldspar.											
				46.1 - 46.9m: White fine grained granite/greisen.											
				46.9 - 49.9m: As above. At 48.8m, 5cm aplite - quartz and trace chalco 30° to h.c.a. axis.											
				49.9 - 53.0m: As above 6 to 15 minute quartz veinlets - horizontal.											
				Ore vertical - 80° to h.c.a. axis. Trace fluorite. in minute 70° vein at 52.3m, and in quartzose area around 52.9m.											
				53.0 - 54.6m: Occasional horizontal 3mm quartz veins. Trace interstitial fluorite.											
				54.6 - 56.0m: Lost 12cms. White/grey. Near greisen in parts.											
				56.0 - 56.9m, As above.											
				56.9 - 58.7m: Lost 15 cms. White.											
				58.7 - 63.6m: White. Trace chalco in quartzose area from 63.3 to 63.6m,											
				63.6 - 64.8m: White. 3cms at 64.4m greisenised. Chalco rare.											
				64.8 - 66.4m: White, Disturbed. Several patches of pegmatitic feldspar. Ore 7cm; feldspars red - subhorizontal.											
				66.3 - 68.1m: Lost 15 cms. Less disturbed. White - buff and rare greisen patches. At 68.1m, feldspar increases and over 5cms goes to pegmatite.											
	68.1	69.4		PEGMATITE: Quartz and cream feldspar. Probably where core loss occurred - also biotite and muscovite. Last 30cms is fine grained granite and feldspar.											
	68.4	71.7		COARSE GRAINED GRANITE and biotite laths.											
				68.4 - 68.7m: Partially greisenised. Medium grained.											
				68.7 - 68.9m: Mixed coarse grained granite and fine grained granite and greisen. Feldspathic at top. Ore quartz biotite band-chalco present to very rare.											
				68.9 - 71.7m: Coarse grained granite. Lost core near 70m, 25cms.											
	71.7	72.0		GREISEN: Diffuse graded boundaries. Upper 45° approx. to h.c.axis. Cassiterite common. Chalco common. Bornite very rare. Moly trace.		71.6	73.2	0.38							
	72.0	73.2		COARSE GRAINED GRANITE:											
				72.0 - 72.8m: Trace chalco. Trace cassiterite.											
				72.8 - 73.2m: Becomes finer grained. Lost 17cms. Merges to:											

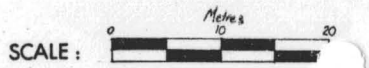
354

NWPS 28406

RENISON LIMITED DIAMOND DRILL HOLE PLOT

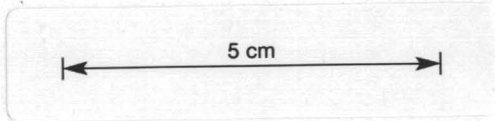
212354 HOLE No. : B.T.23

360

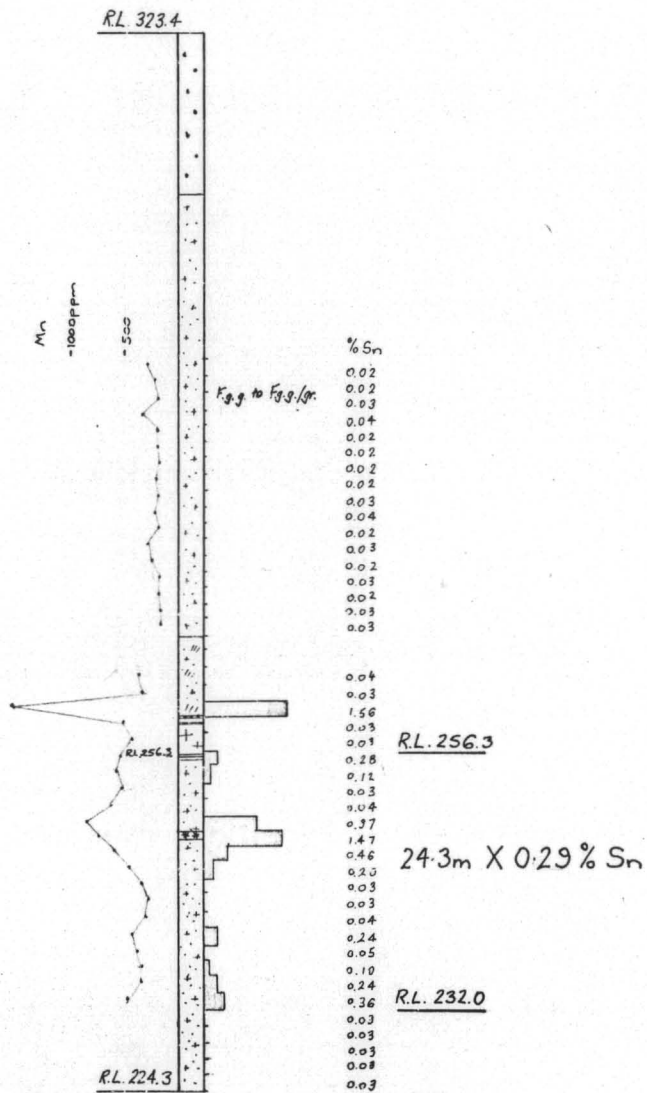


PLAN

⊗ GAGE 21-7 N
SERIAL-2 E



DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 23

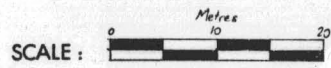
212356

LOGGED BY : R.G Taylor

362

NWPS	INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
	FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.
	56.7	64.0			FINE GRAINED GRANITE/QUARTZ FELDSPAR/FINE GRAINED GRANITE & GREISEN												
					56.7 - 57.7m: Mostly quartz feldspar and fine grained granite. Last 30cms white mixture fine grained granite and fine grained granite/greisen. At 57.0m, pegmatitic patch.												
					57.7 - 59.2m: Lost 41cms. White fine grained granite to fine grained granite/greisen.												
					59.2 - 62.3m: Fine grained granite/greisen white.												
					62.3 - 63.1m: As above. At 63.1m, greisen spots and patches appear. Trace chalco, bornite and fluorite.												
					63.1 - 64.0m, As above and greisen spots. Fine grained granite & biotite rich for 5cms.												
	64.0	64.4			GREISEN: Coarse quartzose - feldspathic at top - semipegmatitic with green-yellow micas, chalco, bornite very rare. Fluorite trace to very rare. Top junction sharp interfinger. Lower diffuse subhorizontal.												
	64.4	64.6			COARSE GRAINED GRANITE: With strong biotite laths.												
	64.6	64.7			PEGMATITE/QUARTZFELDSPAR: Diffuse junctions, grades into.												
	64.7	67.4			COARSE GRAINED GRANITE: With biotite laths. Over last 30cms grades to:	67.1	68.6	0.17									
	67.4	67.5			FINE GRAINED GRANITE-GREISEN Grey/white.												
	67.5	67.7			GREISEN: cassiterite trace. Chalco and bornite trace to very rare. Grey.												
	67.7	74.8			FINE GRAINED GRANITE/GREISEN + PATCHES.												
					67.7 - 71.3m: White, grey - mineralised in the greisen areas. Greisen 68.5 to 68.7m, 2cm greisen at 69.2m, and 5cm greisen at 71.1m. The 69.2m patch has minute trace cassiterite also trace bornite (chalco).	68.6	70.1	Trace									
						70.1	71.6	Nil									
					71.3 - 74.4m: Greisenised. Grey 5cm greisen at 71.5m with very rare to rare chalco, bornite. Over the last 1.1m, Cassiterite trace to present. Bornite trace to very rare. Last 15cms white.	71.6	73.2	Nil									
						73.2		0.69									
					74.4 - 74.8m: Greisenised. Cassiterite trace to very rare. Bornite trace.	74.7		1.25									
	74.8	75.3			GREISEN: Cassiterite very common. Grey.	76.2		0.36									
	75.3	99.1			FINE GRAINED GRANITE/GREISEN												
					75.3 - 76.1m: Grey white. Cassiterite very rare - trace. Bornite trace.	77.5	79.2	0.17									
					76.1 - 76.9m: With greisen patches. Grey white. Cassiterite trace to very rare. Bornite trace to very rare.												
					76.9 - 77.9m: As above, less mineralised. Trace cassiterite, bornite. Last 15cms whiter.												
					77.9 - 80.8m: White. At 78.8m, 5cms aplite to h.c.axis. Lower junction biotitic, upper diffuse. By 78.9m, is near fine grained granite. Trace bornite. At 79.2m, 3cm of quartz-feldspar. At 80.2m, fine grained granite greisen.	79.2	83.8	Nil	Sampled in 1.5m lengths.								

NWPS 28406



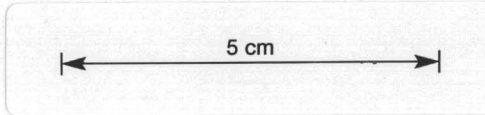
REINSON LIMITED DIAMOND DRILL HOLE PLOT

212359 HOLE No.: B.T. 22

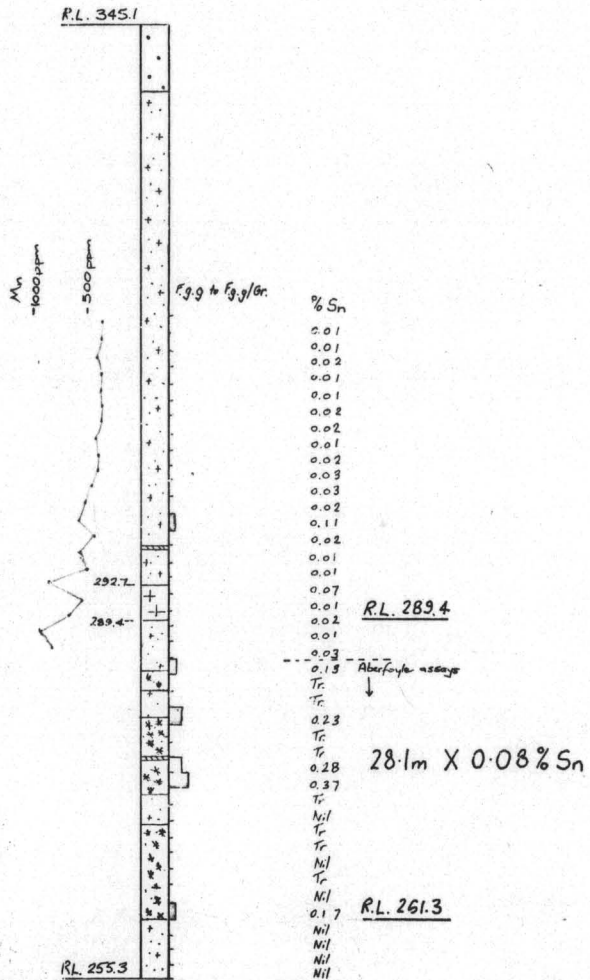
365

PLAN

⊗ 2428162-6-N
606111-7-E



DIP PROFILE



NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	FROM		% Sn.		ppm Mn		ppm Mo		ppm Zn		ppm Bi		g/t Ag	g/t WO ₃	
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.					
0	1.9			<u>Floater:</u> 45cm core. Fine grained granite/greisen and fine grained granite. Nearer fine grained granite. White buff - Fe stained.		27.4	29.0	0.01	40	360	10		110	20	2					
1.9	3.8			<u>Floater:</u> 79 cms core. As above.			30.5	0.01	30	350	30		100	6	2					
3.8	5.3			<u>Floater:</u> 76cms core. Last 30cms nearer fine grained granite.			32.0	0.02	40	410	30		140	30	2					
5.3	6.2			<u>Bedrock Floater:</u> 66cms core. As above.			33.5	0.01	20	360	40		100	20	2					
6.2	48.6			<u>Fine Grained Granite - Fine Grained Granite/Greisen:</u>			35.1	0.01	40	370	30		120	70	3					
				6.2 - 9.1m: Quartz and white feldspar (also topaz?) biotite. Feldspar occasionally altered to greenish sericite. Rare muscovite and green sericite? vein 10° to h.c.a. Followed by 3mm quartz vein, 75° to h.c.a. Diffuse margins. Lost 20cms of core, probably near 6.2m.			36.6	0.02	120	350	20		310	30	1					
				9.1 - 12.1m: As above. At 11.9m, 5mm quartz greisen vein, dark, barren. 60° to h.c.a.			38.1	0.02	70	370	10		110	20	<1					
				12.1 - 12.9m: Slight pinking of feldspars over last 30cms.			39.6	0.01	70	420	<10		210	30	<1					
				12.9 - 14.1m: Slight pinking and 3mm quartz vein. 40° to h.c.a. Broken and Fe stained around 14.1m.			41.1	0.02	350	390	40		180	50	<1					
				14.1 - 15.3m: Looses biotite at some points - near quartz feldspar.			42.7	0.03	120	390	20		180	80	2					
				15.3 - 18.3m: White fine grained granite/greisen.			44.2	0.03	210	450	10		100	20	2					
				18.3 - 20.3m: Pink fine grained granite for 1.8m, then white fine grained granite.			45.7	0.02	150	520	20		150	20	2					
				20.3 - 22.3m: White fine grained granite - some near fine grained granite/greisen. Lost 15cms near 22.3m.			47.2	0.11	390	570	50		210	40	4					
				22.3 - 25.2m: Fine grained granite and fine grained granite/greisen. Pink over 45cms before 24.4m, where is a 5cm pegmatitic area. Quartz feldspar biotite. Lower junction only seen - diffuse horizontal. Pink for 5cms after - then fading to white. Flesh pink in last 15cms. Lost 50cms.			48.8	0.02	100	420	20		110	20	3					
				25.2 - 26.8m: Flesh pink. Mostly fine grained granite - some fine grained granite/greisen.			50.3	0.01	260	560	60		120	160	4					
				26.8 - 27.8m: As above white.			51.8	0.01	70	500	50		120	40	2					
				27.8 - 29.9m: White fine grained granite to fine grained granite/greisen. Flesh pink, white over last 60 cms.			53.3	0.07	100	380	70		190	40	1					
				29.9 - 30.7m: Flesh white fine grained granite - some near fine grained granite/greisen.			54.9	0.01	250	540	60		150	30	3					
				30.7 - 31.5m: Fine grained granite - becoming diffuse grained towards 31.0, then white fine grained granite to fine grained granite/greisen.			56.4	0.02	90	610	30		230	40	2					
							57.9	0.01	40	930	30		220	20	1					
							59.4	0.03	40	820	30		140	30	1					
							61.0													
							62.5													
							64.0													
							65.5													
							67.1													
							68.6													
							70.1													
							71.6													
							73.2													
							74.7													
							76.2													
							77.7													
							79.2													
							80.8													
							82.3													
							83.8													
							85.3													
							86.9													
							27.4	45.7	Nil	Sampled in 1.5m lengths, all nil Sn.										
							86.9	88.4												
								89.8												

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NWPS

	INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
	FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
					31.5 - 32.0m: Lost 30 cms. 7 cms fine grained granite to fine grained granite/greisen, then broken pieces of a quartzzone vein and greisen.													
					32.0 - 33.8m: Lost 7 cms, probably at 32.0m, 15 cms "disturbed" white fine grained granite to fine grained granite/greisen and fluorite on joints, then biotite increases and the rock grades to white fine grained granite/greisen. Diffuse grained and 3 to 4, 3mm quartz-greisen veinlets and patches. Some association with 10 to 20° to h.c.a. Diffuse outlines.													
					33.8 - 35.7m: Lost 10 cms, probably near 35.2m. Fine grained granite/greisen and odd greisen veinlets and patches. Some association with fluorite. Veinlets 3mm - 0 to 25° to h.c. axis													
					35.7 - 37.2m: Lost 25 cms over last 30 cms. As above. At 36.3m is some bornite-chalcopyrite and unknown black sulphide - metallic, possibly chalcocite. Trace fluorite.													
					37.2 - 38.5m: Lost last 15 cms. Fine grained granite/greisen. Buff white - grey and greisen and quartz veinlets or spots. Usually in joints. Greisen areas contain trace fluorite on joints and interstitial.													
					38.5 - 41.6m: As above. Fluorite trace to rare. Especially on joints. At 39.6m, 3 cm quartz vein and micas, 25° to core axis and one speck moly. - Lost 3 cms.													
					41.6 - 42.5m: Lost 30 cms, probably near 41.7m. At 41.6m, 7 cm quartz vein - top 45°, base 10° to h.c.a. Some fluorite in a minor greisen band. Over next 45 cms, 2 minor 3mm quartz veins - one with feldspar. Rest is fine grained granite/greisen - buff grey.													
					42.3 - 45.3m: Fine grained granite/greisen - white grey. Towards 44.5m, 2 patches of quartz with greisen rims - irregular outlines. Fluorite in centres and in rims. Also on joints.													
					45.3 - 46.5m: First 60 cms contains two patches as above. Coarse greisen patch at 45.7m, has trace moly. From 45.9m, to 46.3 rock is near greisen - light colour with graded contacts. Grades back to fine grained granite/greisen. Lost 15 cms.	45.7	47.2	0.10										
					46.5 - 47.1m: Darker over last 15 cms. As above. One patch contains large crystals - 1 cm diameter - chalcopyrite - bornite and rare cassiterite. Cassiterite also seen below the patch above in grey white fine grained granite/greisen.	47.2	59.4	N11	Sampled in 1.5m lengths, all nil Sn.									
					47.1 - 48.6m: Cassiterite common in first 15 cms. Then fine grained granite/greisen becomes buff white with no mineralisation. Slowly becomes whiter. Some fluorite on joints, some greisen patches and veinlets. Lost 30cms.													
	48.6	48.9			48.6 - 48.9m: Pegmatite: Quartz, feldspar, biotite.													
	48.9	49.0			Fine Grained Granite/Greisen. Pegmatite grain size decreases and grades irregularly into the above.													

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212362

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NWPS		INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.									
FROM	TO	m	%	FROM	TO			TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
49.0	49.1					<u>Pegmatite:</u> Fine grained.											
49.1	52.4					<u>Fine Grained Granite/Greisen:</u> 49.1 - 49.2m: Grey buff, near greisen. 49.2 - 50.1m: With 1 cm to 3mm quartz veinlets 10 ⁰ to 20 ⁰ to h.c.a. and greisen patches. Trace fluorite in both. Trace chalco at 50m, associated with quartz and quartz greisen. 50.1 - 50.6m: Normal fine grained granite/greisen. Broken over last 15 cms. 50.6 - 52.4m: Fine grained granite/greisen increases in grain size and by 51.1m is medium grained granite and greisen patches. At 51.8m for 15 cms greisenisation is heavier. Cassiterite trace - rare. Chalco, pyrite trace. Lost 28 cms probably near 53.3m.											
52.4	55.7					<u>Coarse Grained Granite:</u> 52.4 - 52.8m: With greisen patches. 52.8 - 54.8m: Coarse granite and greisen spots. Trace chalco. Minute trace cassiterite and pyrite in the greisen, 54.8 - 55.7m: As above, slightly finer grained.											
55.7	60.7					<u>Fine Grained Granite/Greisen</u> 55.7 - 58.5m: Lost 1m, First half, medium grained; last half, finer grained. Broken in parts. 58.5 - 59.3m: Greisen patches. White - buff. Trace chalco. 59.3 - 60.2m: Greisen patches. White. 60.2 - 60.7m: Often near greisen and cassiterite patches, especially at 60.1m. Trace to rare elsewhere.		59.4	61.0	0.13							
60.7	62.7					<u>Greisen:</u> 60.7 - 61.0m: Cassiterite trace to rare. Chalco minute trace. 61.0 - 61.9m: Grey greisen, minute trace cassiterite. 61.9 - 62.8m: Barren to 62.7. Grades diffusely and sharply to white grey fine grained granite/greisen. Cassiterite and chalco trace near junction. Also trace moly.			62.5	Trace							
62.7	64.1					<u>Fine Grained Granite/Greisen</u> 62.7 - 63.7m: White and greisen patches. Latter have trace cassiterite, feldspar patch at 63m. Last 30 cms white grey. 63.7 - 64.1m: Near greisen.			64.0	Trace							
64.1	64.6					<u>Greisen:</u> Sharp horizontal junction. Chalco present to trace. Bornite											
64.6	65.2					<u>Fine Grained Granite/Greisen:</u> Chalco very rare. Cassiterite trace.											
65.2	68.5					<u>Greisen:</u> 65.2 - 65.3m: Trace chalco. 65.3 - 67.1m: Near fine grained granite/greisen in parts. Cassiterite present to trace. Chalco common to trace. Bornite common especially near 66.1m 67.1 - 68.5m: Lost 13 cms. Greisen. Cassiterite trace to very rare. Chalco trace to very rare. At 67.9m for 7 cms, is a grey metallic sulphide.			65.5	0.23							
									67.1	Trace							

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
0	10.8			<u>Floater</u> : Only 0.63m core. Coarse grained granite. Fe stained in parts.													
10.8	11.9			<u>Floater</u> : Only 15cms core. Coarse grained granite.		30.5	32.0										
11.9	12.5			<u>Bedrock Floater</u> : Only 32cms core. Coarse grained granite and 5mm aplo-quartz band. Horizontal.			33.5										
12.5	34.6			<u>Coarse Grained Granite</u> :			35.0										
				12.5 - 13.7m: Fe-stained. AX at 13.3m. Rare greisenised joints.			36.6										
				13.7 - 14.6m: Fe stained, broken over first 15cms. White.			38.1										
				14.6 - 16.6m: Greisen joints. At 15.4m, two 1cm aplite veins - one 60° to h.c. core axis and one flat. White.			39.6										
				16.6 - 17.6m: At 17.0m, 5mm quartzose veinlet. 3° to horizontal core axis.			41.1										
				17.6m - 18.3: At 18.1m, 5cm greisen - dark. Slight pinking of feldspars on each side. 45° to h.c. axis. At 18.2m, 12cm aplite-feldspathic selvedge. 45° margins.			42.7										
				18.3 - 19.6m: Lost 9cm. Pink for 15cms. Then 7cm greisen patch. Then white. Pinking over last 15cms.			44.2										
				19.6 - 20.8m: Lost 7cms. Pinking heavily. At 19.9 greisen joint. Pinking fades by 20.8m - soft.			45.7										
				20.8 - 22.0m: At 21.3m, 7cm aplite. Greisenised over first 2cms. 30-35° to h.c. axis. Upper margin diffuse. Lower sharp. At 21.5m, 7cm greisen. Diffuse margins 40-45°. At 21.8m, 17cm griesen. Trace moly. Quartz vein at centre 1cm. 40° to h.c. axis. All margins diffuse. Rest is all pink coarse grained granite.			47.2										
				22.0 - 23.0m: First 5cm pink - then white, pinks 5cm from 22.5m. At latter 7cm greisen. At 22.53m is 10cm greisen, both 30-40° - altered joints. Rest is pink coarse grained granite.			46.8										
				23.0 - 23.7m: First 15cm pink, then white.			50.3										
				23.7 - 26.3m: White coarse grained granite. At 24.8m, 5mm aplo-greisen 50° to horizontal core axis. At 25.1m greisen patch. At 26.0m greisen patch with no pinking of granite wall rock.			51.8										
				26.3 - 27.2m: White.			53.3										
				27.2 - 29.1m: White. Kaolinised on joints.			54.9										
				29.1 - 30.2m: Lost 7cms. White. At 30.0m, 7-10cm aplite. Upper junction 45° to h.c. axis. Granite pinks 15cms prior to aplite.			56.4										
				30.2 - 30.9m: Pink. At 30.8m, 3cm greisen band. At 30.9m aplite 60° to h.c. axis, continues to 31.1m.		30.5	32.0	Nil									

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212367

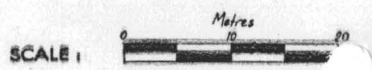
LOGGED BY : R.G. TAYLOR

NWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM	% Sn.														
				FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃			
		30.9 - 32.8m: Pink coarse grained granite. Lost 7cms core from 31.1 to 33.2m.																
		32.8 - 34.6m: Pink coarse grained granite. 2cm greisen. 45° to h.c. axis.				33.5	N11											
34.6	54.4	Hybrid Fine Grained Granite/Greisen/Quartz-Feldspar and Greisen Patches:																
		34.6 - 35.4m: Hybrid rock - unusual. Junction not seen. Very fine and diffuse grained. Fine grained granite and quartz-feldspar, aplite intermixture. Often has sub aplitic texture. Pinkish.				35.0	N&1											
		35.4 - 36.3m: Biotite rare in parts.																
		36.3 - 37.3m: Same rock. Basically quartz-feldspar muscovite + biotite. Occasional green talcose patches. Pink. Best defined as fine grained granite/greisen and quartz-feldspar, plus greisenised patches and veinlets. Crystal outlines diffuse.				36.6	N11											
		37.3 - 38.2m: Pink. At 37.7m, 1cm greisen vein, pink selvage. 20° to h.c. axis.				38.1	N11											
		38.2 - 39.0m: Pink. At 38.2m, 1 cm greisen. 70° to h.c.a.																
		39.0 - 39.6m: Pink and minor greisen patches and veinlets. Near 39.6 is near quartz-feldspar.				39.6	N11											
		39.6 - 40.5m: Pink. Minor greisen veinlets 70°. Quartz feldspar in parts.																
		40.5 - 41.3m: Pink. Mostly quartz feldspar + greisen patches.				41.1	N11											
		41.3 - 42.2m: Pink. Mostly quartz feldspar.																
		42.2 - 43.0m: Pink. Quartz feldspar/fine grained granite/greisen. Trace fluorite on joint at 42.7m.				42.7	N11											
		43.0 - 44.8m: Pink. Quartz feldspar plus greenish talc plus sericite + greisen.				44.2	N11											
		44.8 - 45.7m: Basically pink fine grained granite/greisen and quartz-feldspar + biotite + greisen patches. Near quartz feldspar in parts.				45.7	N11											
		45.7 - 47.2m: As above. Several 3mm quartz veinlets				47.2	N11											
		47.2 - 51.1m: As above. Shading white over last 30cms				48.8	N11											
		51.1 - 52.7m: Lost 25cms. White fine grained granite/greisen plus 1cm sub-horizontal greisen veins.				50.3	N11											
		52.7 - 53.6m: Pinking				51.8	N11											
		53.6 - 54.4m: Pink fine grained granite/greisen plus greisen patches. At 53.6, 1cm quartz vein and dark greisen selvage.				53.3	N11											
						54.9	N11											
54.4	54.7	Greisen: Junction not seen. Dark grey greisen, becoming white green. Grades around 54.7m into:																
54.7	56.4	Fine Grained Granite/Greisen:				56.4	N11											
		54.7 - 55.3m: White. Pinks over last 15cm.																
		55.3 - 56.4m: Pink. + biotite + greisen patches.																

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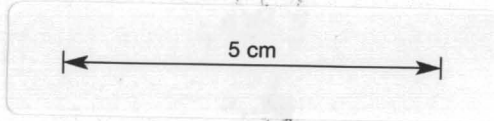
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RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212372 HOLE No. 1 B.T.20

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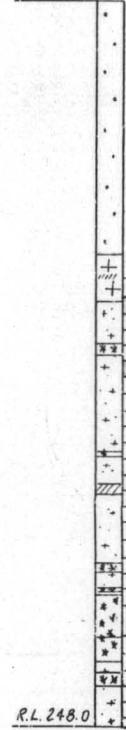


PLAN

⊗ SASS304-0 N
S8506-9 E

DIP PROFILE

R.L. 315.8



R.L. 248.0

%Sn

Nil R.L. 288.4

0.15

Tr

Tr

Nil

0.20

Tr

Nil

Nil

Tr

0.40

Nil

Nil

Nil

Tr

0.40

0.35

Tr

Tr

0.25

Nil

Nil

Nil

36.6m X 0.08% Sn

R.L. 251.8

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
				37.5 - 38.5m: Buff white. Barren.				38.1	Nil							
				38.5 - 39.4m: White. Buff. Barren.				39.6	Nil							
				39.4 - 41.1m: White buff. Broken near 39.6m				41.1	Nil							
				41.1 - 42.3m: White. Lost 30cms, probably over last 30cms.												
				42.3 - 42.4m: Slightly greisenised.				42.7	Nil							
	42.4	42.7		Greisen: Dark. Cassiterite present - common. Chalco present. Bornite rare.												
	42.7	45.2		<u>Fine Grained Granite/Greisen:</u>												
				42.7 - 43.2m: Near greisen. Cassiterite present. Chalco rare.												
				43.2 - 44.1m: First 10cm dark with coarse cassiterite patch 2cms square. Chalco rare. Remainder is white buff. Cassiterite very rare in a greisenised patch at 43.6m. Chalco very rare.				44.2	Trace							
				44.1 - 45.2m: Near greisen at 44.5m. Near quartz-feldspar rock at 44.2m due to loss of biotite. Grades to:												
	45.2	46.2		<u>Quartz-Feldspar Rock:</u>												
				45.2 - 45.7m: Occasional muscovite.				45.7	0.40							
				45.7 - 46.2m: Grades into:-												
	46.2	52.7		<u>Fine Grained Granite/Greisen:</u>												
				46.2 - 46.6m: Often near greisen. Cassiterite trace - very rare. Chalco trace - very rare.												
				46.6 - 47.5m: Near quartz feldspar for 5cms at 47.0m Grades to 15cms almost greisen with cassiterite trace - very rare. Moly trace. Rest is white, fine grained granite/greisen.				47.2	Nil							
				47.5-48.4m: White grey. Near greisen over last 7cms.												
				48.4 - 49.3m: Trace chalco at 48.8m. White grey.				48.8	Nil							
				49.3 - 50.2m: White. Grey.				50.3	Nil							
				50.2 - 51.1m: Three 4mm quartz-biotite veinlets, 20° to h.c. axis. Lost 7cms probably at 47.5m.												
				51.1 - 52.0m: White and greisen patches.				51.8	Nil							
				52.0 - 52.7m: Pink white, sharp grade to:												
	52.7	53.5		<u>Greisen:</u>												
				52.7 - 52.9m: Quartzose at 52.8m with cassiterite present.												
				52.9 - 53.5m: Chalco present to common in parts where it often appears to pseudomorph biotite. Fluorite present to rare interstitial.				53.3	Nil							
	53.5	54.8		<u>Fine Grained Granite/Greisen: Pink, Gradational junction.</u>												
				53.8 - 54.8m: White. Cassiterite present for 2cms at 54.3m. Odd trace chalco. Last 15cms dark.				54.9	Nil							

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.												
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃	
54.8	55.1			<u>Greisen:</u> Trace cassiterite. Last 5cms quartzose with very common cassiterite.														
55.1	55.7			<u>Fine Grained Granite/Greisen:</u> With greisen patches. Cassiterite present - rare in these patches. Core loss at 55.6m. Last 5cms darker.														
55.7	61.9			<u>Greisen:</u> 55.7 - 56.5m: Cassiterite present - rare. Trace moly. Dark. 56.5 - 57.4m: Cassiterite present. Grey white. 57.4 - 58.3m: 5cm grey white greisen, then break with suspected core loss. Followed by dark green - grey greisen. Green buff mica. Cassiterite trace-rare. Fluorite - trace, purple. Some clay minerals - white. Junction of the two greisens is not visible. 58.3 - 59.1m: Grey-green greisen to 58.7m. Fluorite very common in parts. Trace cassiterite. Then grades into grey white greisen as above. The last 5cms of the green-grey rock is much finer grained, and grades sharply, but irregularly into the grey white greisen. The latter has darker greisen patches. Trace fluorite. 59.1 - 59.5m: At 54.1m the core block reads 59.5m. Core blocks are absent from 50.3m (or incorrect). Therefore 48cms of core were lost between 50.3 and 59.5. Most likely points of loss are at 55.6 and 57.5m, say 24cms at each. 59.5 - 60.4m: Normal grey greisen. Trace chalco. 60.4 - 61.3m: Coarser nearing grey green. Trace cassiterite and chalco and fluorite. 61.3 - 61.9m: Grey. Merges to white fine grained granite/greisen. Cassiterite very rare - present. Chalco trace.														
61.9	62.9			<u>Fine Grained Granite/Greisen:</u> White to 62.9m, grades sharply. Sub horizontal junction.														
62.9	64.5			<u>Greisen:</u> 62.9 - 63.3m: Grey. Trace chalco. 63.3m+ 63.6m: Dark green grey. Upper junction sub-horizontal. Lower 30° to h.c. axis - quartzose. 63.6 - 64.5m: Grey. Barren. Diffuse graded 15cm junction.														
64.5	67.8			<u>Fine Grained Granite/Greisen:</u> 64.5 - 65.1m: With greisen patches. 65.1 - 67.8m: White, barren. Lost 15cms core.														
- END OF HOLE -																		

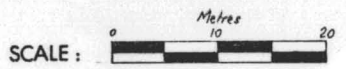
383

NWPS 28406

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

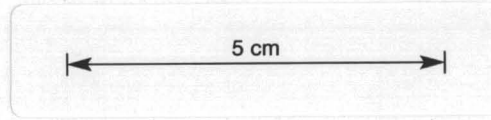
212378 HOLE No.: B.T. 19

384



PLAN

⊗
S435A11-3 N
S85175-0 E



DIP PROFILE



% Sn
Nil
TF
TF
TF
Nil
TF
0.33
TF
Nil
Nil
Nil
TF
Nil
Nil
Nil
Nil
Nil
Nil
TF
TF
TF
Nil

↑
Aberfoyle assays

Nil
Nil
0.03
0.07
0.03
0.07
0.03
0.19
0.07
0.02
0.07
0.03
(0.15)
0.06
(1.20)
0.03
0.01
0.51
0.02
0.46
0.14
0.38
0.08
0.08
0.10
0.09
0.16
0.11
0.38
0.13
0.18
0.05
0.04
0.02

R.L. 279.4

29.0m X 0.23% Sn

R.L. 250.4

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As-STAN.	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag.
56.2	57.0			<u>Greisen:</u> Mostly grey greisen. Trace fluorite.												
57.0	62.9			<u>Fine Grained Granite/Greisen</u>												
				57.0 - 57.5m: Near greisen over last 15 cms. Chalco very rare. Cassiterite present.		56.4	57.9	Nil	0.03	0.020	0.03	0.018		2		
				57.5 - 58.5m: White, buff, grey plus greisen patches and veinlets. Sometimes coarse quartzose greisen. Trace moly. Chalco in greisen - trace. Fluorite very rare.												
				58.5 - 60.6m: Lost 20 cm. Mostly buff grey with minor greisen patches and diffuse veinlets. Cassiterite trace - rare in the greisen areas. Some cassiterite is contained in a very minor 1mm quartz vein. Fluorite trace - very common, mostly near the greisen as is chalco trace - very rare. Mostly trace in greisen vein.			59.4	Nil	0.07	0.012	0.03	0.007		1		
				60.6 - 62.6m: As above. Mineralisation mostly in the greisen areas. Chalco very rare - trace. Bornite trace. Moly trace. Cassiterite trace - very rare. Some in coarse quartzose patch at 62.6m.			61.0	Nil	0.03	0.010	0.04	0.007		1		
				62.6 - 62.9m: At 62.61m, 1 cm quartz vein and rare cassiterite - 15° to horizontal core axis. Diffuse margins. At 62.9m greisen - grey diffuse 30° to horizontal core axis.			62.5	Nil	0.07	0.048	0.05	0.011		6		
62.9	63.3			<u>White Coarse fine Grained Granite.</u>												
63.3	63.5			<u>Pegmatite:</u> Medium grained. Quartz - Feldspar - Biotite. 50° to h. core axis. Diffuse margin. Leads into 5 cm quartzose area with cassiterite present.												
63.5	63.6			<u>Greisen:</u> Grey. Barren.			64.0	Nil	0.03	0.028	0.04	0.012		4		
63.6	67.5			<u>Fine Grained Granite/Greisen</u>												
				63.6 - 64.4m: Fine grained granite/greisen. White buff. Rare greisen in veinlets. Fluorite on some joints. At 63.6m, 2 cm. pegmatite. Upper margin 45°. White buff feldspathic.												
				64.4 - 65.5m: Lost 5 cms. White. At 64.3m, 2 cms pegmatite. Quartz - feldspar. 50° to horizontal core axis. Diffuse. Slight pinking 15 cms prior to it.			65.5	0.15	0.19	0.020	0.03	0.008		3		
				65.5 - 67.5m: Fine Grained granite and rare grey white granite.			67.1	Nil	0.02	0.017	0.04	0.013		2		
67.5	67.6			<u>Aplite:</u> Green												
67.6	67.8			<u>Greisen:</u> 12 cm coarse quartzose. Chalco present - common. Fluorite trace. Cassiterite trace. 6 cm feldspathic. Chalco rare. Fluorite trace.												
67.8	70.8			<u>Fine Grained Granite/Greisen:</u>			68.6	Nil	0.07	0.07	0.06	0.014		7		
				67.8 - 68.1m: Greisen patches and veinlets. Chalco rare. Cassiterite trace. Large quartzose greisen patch at 68.1m- 5 cms. wide. Chalco very rare. Cassiterite rare - present.												
				68.1 - 69.6m: With greisen spots. White.												
				69.6 - 70.8m: White - grey.			70.1	Nil	0.03	0.013	0.05	0.012		1		

DIAMOND DRILL RECORD

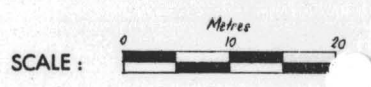
212382

HOLE NUMBER : B.T. 19
 LOGGED BY : R.G. Taylor.

388

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	Sb	% Cu.	% As.	% Mo.	% Pb.	% Zn.	% Bi.	g/t Ag.
70.8	71.1			<u>Greisen:</u> Chalco rare - present. Cassiterite trace.													
71.1	73.0			<u>Fine Grained Granite/Greisen;</u> 71.1 - 71.7m: Grey. Heavily greisenised. Chalco trace - very rare. Cassiterite trace - common. Sharp grade 10-15° into greisenised pink grey colour at 71.6m. 71.7 - 72.3m: Pink. 72.3 - 73.0m: Pink for 10 cms then white for 5 cms. Then heavily greisenised. Chalco - very rare. Cassiterite very rare, for 10 cms. Less greisenised to 73.0m. Cassiterite trace. Chalco trace.		71.6	0.15										
73.0	73.1			<u>Greisen:</u> Coarse quartzose and feldspar. Cassiterite trace. Chalco rare - present.		73.2	Nil	0.06	0.027		0.04		0.012			4	
73.1	73.4			<u>Fine Grained Granite/Greisen:</u> White. Lost 10 cms. core from 69.6 to 73.3m.													
73.4	74.2			<u>Pegmatite - Coarse Grained Granite:</u> Some greisen spots. Cassiterite coarse, common over first half. Chalco very rare - rare. Last half, cassiterite very rare. Chalco trace - very rare. Over last 15 cms, becomes medium grained and greisen bands. Aplitic near 74.0m.													
74.2	74.4			<u>Greisen:</u> Coarse quartzose and feldspar. Cassiterite rare - trace. Chalco very rare - trace. Vague 70° to h.c.a. Lower junction.		74.7	1.20										
74.4	78.6			<u>Fine Grained Granite/Greisen:</u> 74.4 - 75.1m: Crisp mineral outlines, white/grey. More greisenised in depth. 75.1 - 77.9m: White - grey and greisen patches. Lost 15 cms. to 76.5m. At 77.2m, 5mm quartz vein, with 1 cm. quartz feldspar selvages. At 77.7m grades to a coarser feldspathic area. 77.9 - 78.6m: Quartzose for 15 cms, then diffuse junction to fine grained granite. White greisen.		76.2	Nil	0.03	0.009		0.06		0.011			1	
						77.7	Nil	0.01	0.003		0.03		0.009		<1		
78.6	78.7			<u>Greisen:</u> Quartzose - coarse. Upper junction diffuse. 50 - 60° to h.c.a. Lower obscure. Trace chalco. Cassiterite rare - common, coarse.													
78.7	81.4			<u>Fine Grained Granite/Greisen:</u> 78.7 - 78.8m: Feldspathic - slightly coarser. 78.8 - 79.8m: Becomes increasingly coarse and feldspathic and at 79.4m, - vein 80° to horizontal core axis. Vein occupies half of core and other half is fine grained granite/greisen. 79.8 - 81.1m: Lost 12 cms. Broken over half. Becomes feldspathic and coarser. Coarse quartz-feldspar-greisen. Lower junction 50°. 9 cm trace cassiterite. Then white fine grained granite. Kaolinised joints. 81.1 - 81.4m: Becomes coarser over first 15 cms with biotite laths and after 30 cm.		79.2	0.45	0.51	0.004		0.04		0.008		<1		
						80.8	Nil	0.02	0.003		0.04		0.008		<1		

NWFS 39406



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

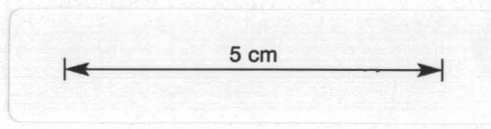
212385

HOLE No.: B.T. 18

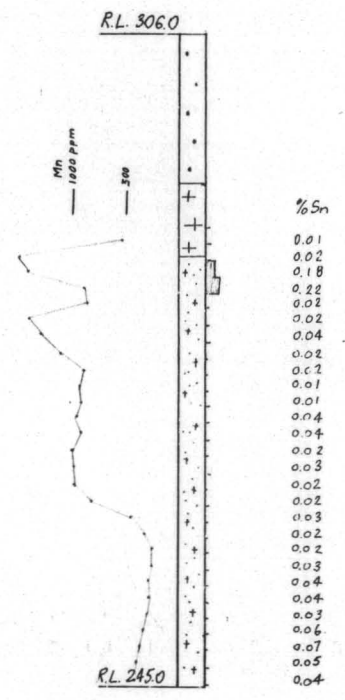
391

PLAN

EASTING - 4 N
SHEET - 1 E



DIP PROFILE



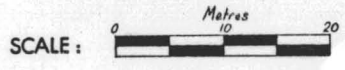
NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM			% Sn.		ppm		% S.	% Pb.	ppm Zn.	% Bi.	g/t Ag.	g/t WO ₃
FROM	TO	m	%			FROM	TO	TOTAL	As	% Cu.	Mn						
0	14.1			No core.													
14.1	20.7			<u>Coarse Grained Granite</u>													
				14.1 - 15.0m: Iron stained, biotite content fluctuates.													
				15.0 - 17.0m: Lost 30 cms. Pink white. Last 15 cms greisenised Diffuse junctions.													
				17.0 - 17.8m: Pink white.													
				17.8 - 20.7m: Pink white. Silicified and greisenised in patches.		18.3	19.8	Trace	0.01	10	540			40		<1	
20.7	21.5			Transition Zone: Feldspars of coarse grained granite/greisen go white and the rock merges to a fine grained granite/greisen. Broken. Fluorite very common in parts - mauve. 20.5 - 21.7m: Lost 10cms core.			21.3	Trace	0.02	60	1500			85		<1	
21.5	61.0			<u>Fine Grained Granite/Greisen</u>													
				21.5 - 21.7m: White. Moly and cassiterite trace.													
				21.7 - 22.4m: First 45 cms grey. Near to greisen. Sharp graded junctions - subhorizontal. Barren. Last 20cms white.			22.9	0.18	0.18	25	1400			110		1	
				Cassiterite rare - present. Moly trace.													
				22.4 - 23.2m: White, cassiterite, common - very rare. Trace pyrite, chalco. Cassiterite very fine grained.													
				23.2 - 24.2m: White. Mostly barren. Very odd trace cassiterite			24.4	0.18	0.22	30	890			200		<1	
				24.2 - 25.0m: Grey white diffuse. Minute trace cassiterite, pyrite and moly.			25.9	Trace	0.02	55	870			180		2	
				25.0 - 25.9m: Grey white diffuse. Trace cassiterite, pyrite and moly													
				25.9 - 27.7m: Lost 60cms. White grey. Very broken. Trace moly and mauve fluorite.			27.4	Nil	0.02	40	1400			220		1	
				27.7 - 28.3m: White. Trace fluorite. Barren. Trace moly.													
				28.3 - 31.0m: White. Trace cassiterite, Rare fluorite. Trace moly.			29.0	Trace	0.04	18	1300			230		1	
				32.0 - 32.9m: White. Trace fluorite.													
				32.9 - 35.4m: White. Trace moly. Trace fluorite - purple.			30.5	Trace	0.02	40	1100			190		1	
				35.4 - 36.1m: White. Trace moly. Trace fluorite. Trace cassiterite.			32.0	Nil	0.02	65	900			170		1	
				36.1 - 36.8m: White. Trace pyrite? Trace fluorite. Trace cassit- erite			33.5	Nil	0.01	22	930			180		<1	
				36.8 - 37.6m: White. Trace pyrite? Trace fluorite. Very rare trace cassiterite. Trace moly.			35.0		0.01	48	920			210		1	
							36.6	Trace	0.04	22	960			85		<1	
				37.6 - 38.5m: White. Barren. Odd trace fluorite			38.1	Trace	0.04	25	910			200		1	
				38.5 - 39.4m: White. Odd trace chalco.			39.6	Nil	0.02	20	1000			250		1	
				39.4 - 40.3m: White. Odd trace moly.			41.1	Trace	0.03	50	990			210		1	
				40.3 - 41.2m: White. Odd trace cassiterite and pyrite.			42.7	Nil	0.02	150	980			220		1	
				40.3 - 41.2m: White. Trace chalco.			44.2	Trace	0.02	80	810			180		1	
				42.1 - 42.9m: White. Trace fluorite. Trace pyrite.			45.7	Trace	0.03	45	450			95		1	
				42.9 - 43.8m: White. Trace pyrite and moly.			47.2	Trace	0.02	10	330			60		1	
				43.8 - 44.7m: White. Trace chalco. Often near fine grained granite.			48.8	Nil	0.02	10	260			65		<1	
				44.7 - 45.6m: White. Minute trace chalco.			50.3	Trace	0.03	5	250			60		<1	
				45.6 - 50.1m: Barren. Often near fine grained granite. Several kaolinised joints 80° to core axis.			51.8	Trace	0.04	2	230			45		<1	
							53.3	Nil	0.04	5	230			55		<1	
				50.1 - 53.7m: White. Barren, kaolinised joints 70°-80° up to 5mm wide			54.9	Nil	0.03	2	310			65		<1	
				53.7 - 56.5m: White. Barren. kaolinised joints. Odd trace fluorite.			56.4	Trace	0.06	2	340			80		<1	
				56.5 - 57.3m: White. Lost 60 cms to 57.9m. Very little kaolin. Broken over last 15 cms.			57.9	Nil	0.01	5	370			85		<1	
							59.4	Nil	0.05	8	400			90		<1	
				57.9 - 61.0m: White. Barren. often near fine grained granite.			61.0	Trace	0.04	8	420			80		<1	

- END OF HOLE -

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HOLE No. : B.T. 17



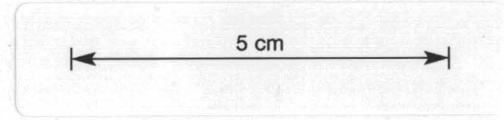
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212388

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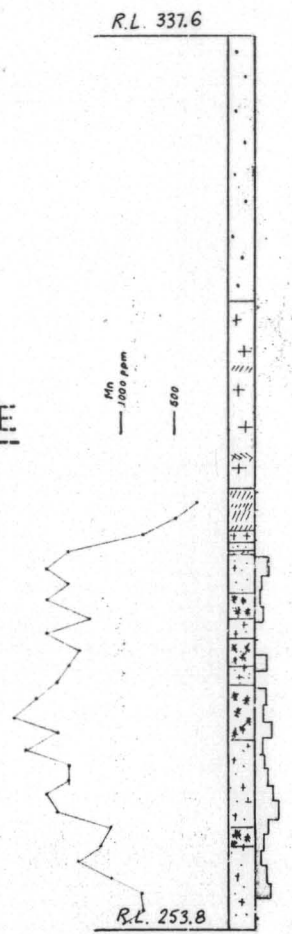
NWPS 24451

PLAN



⊗
SARAZA A N
68516-1 E

DIP PROFIE



% Sn

- 0.01
- 0.01
- 0.04
- 0.03 R.L. 269.4
- 0.26
- 0.13
- 0.11
- 0.16
- 0.05
- 0.05
- 0.21
- 0.04
- 0.24
- 0.18
- 0.31 35.6m X 0.19% Sn
- 0.17
- 0.20
- 0.28
- 0.36
- 0.25
- 0.27
- 0.15
- 0.13
- 0.25
- 0.29
- 0.08
- 0.03 R.L. 253.8

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As-GTAN	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag.
				Last 3cms contains 15mm quartz vein. Sharp contact, 25° horizontal core axis.												
39.6	39.9			<u>Coarse Grained Granite & Aplite:</u> 39.8 - 39.9m: Aplite. Quartzo-aplite. Upper junction 65° sharp. Lower diffuse 40-50° to horizontal core axis.												
39.9	42.4			<u>Quartz - Feldspar Rock:</u> Pink. Derived from pink coarse grained granite. No biotite and very little sericite. 40.9 - 41.6m: As above - feldspar greenish - altered. 1 cm greisen veinlet at 41.5m. 50° to horizontal core axis.												
42.4	43.4			<u>Quartzo-Aplite:</u> Quartz feldspar mixed - sugary texture in parts. Pink white. Lower junction diffuse quartzose. Associated with development of biotite. 45° to horizontal core axis. Grades into quartz - feldspar rock.		42.7	44.2	Trace	0.01	0.002	0.03	0.006		<1		
43.4	44.9			<u>Quartz-Feldspar Rock:</u> Grassy green alteration of feldspar. Very green 44.2 to 44.3m. Biotite development 1 cm at 44.9m. Followed by 1cm quartz vein.												
44.9	45.8			<u>Greenish Quartz - feldspar Rock:</u> Addition of green material. Dark green micaceous. Junction vein is 15° to horizontal core axis. Rock is streaky vertically. After first 15cms dark content increases. Streaky. Mineral is green black biotite. White mica also present. At 45.4 grades into granitic textured rock. i.e. the streaky effect vanishes. Similar to coarse grained granite. Pink, spotted dark green. At 45.7m, Fluorite smear on joint - purple. Grades into:		45.7	Trace	0.01	0.002	0.05	0.011		<1			
45.8	46.3			<u>Porphyritic Granite:</u> Fine grained matrix and feldspar crystals. Unusual rock. Large pink feldspars. 2cm crystals set in fine equigranular granitic matrix. At 46m lose most of the phenocrysts.												
46.3	47.4			<u>Greenish Quartz-Feldspar Rock:</u> Sharp grade into it. Streaks horizontal. 46.6 - 47.4m: Very dark, quartz, feldspar, biotite rock, not streaked. Small greisenised patch at 47.1m. Coarse cassiterite crystals 3mm.		47.2	Trace	0.04	0.002	0.08	0.023		<1			
47.4	47.6			<u>Quartz-Feldspar and Fine Grained Granite/Greisen Mixture</u>												
47.6	48.2			<u>Quartz-Feldspar and Aplite and Coarse Granite</u>												
48.2	48.8			<u>Coarse Greisen and Feldspar Patches:</u> Grey. Chalco rare. Some large green biotite lathes 1cm associated with feldspars.		48.8	Trace	0.03	0.026	0.15	0.073		4			

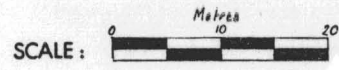
NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As-Sn	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag.
48.8	49.1			Coarse Fine Grained Granite/Greisen: Large biotites. Chalco present.												
49.1	49.14			Coarse Greisen: Grey, Chalco present - common.												
49.14	49.3			Coarse Greisen and Coarse Fine Grained Granite/Greisen: Dark, chalco very rare.												
49.3	49.6			Quartz-Feldspar and Quartz-Feldspar-Biotite: Pink white.												
49.6	49.7			Quartz-Feldspar patch and coarse very rich cassiterite. 5mm crystals. Unusual												
49.7	49.8			Coarse Fine Grained Granite/Greisen: Cassiterite present. Chalco present - common. Trace bornite.												
49.8	50.1			Greisen: Fine grained. Chalco common, bornite common, Moly present - common. Small 1cm quartz vein at 50m. 50.0 - 50.1m: No chalco, Trace moly. Sub-horizontal junction with:		48.8	50.3	0.27	REASON RE-ANALYSE TO SN 0.26	0.13		0.17		0.16		21
50.1	52.3			Fine Grained Granite/Greisen: 50.1 - 50.2m: Dark 50.2 - 50.9m: Lighter. Cassiterite trace - very rare. 50.9 - 51.7m: Darker, chalco and Moly. trace in first 30cms. Cassiterite trace - very rare. 51.7 - 51.8m: Cassiterite trace - very rare. 51.8 - 52.3m: Lighter, becoming darker, cassiterite rare present. Trace Moly.												
50.1	52.3					51.8		0.11	0.13	0.017		0.15		0.067		4
52.3	54.7			Greisen: 52.3 - 52.7m: Dark. Cassiterite rare - present. 52.7 - 53.6: Last 45cms cassiterite trace - very rare. Last 45cms fluorite present - common. Bornite present - common cassiterite very rare. Chalco very rare - trace. 53.6 - 54.5m: First 15cms bornite, chalco, cassiterite present - very rare. Moly trace. Rest cassiterite trace. 54.5 - 54.7m: Cassiterite very rare.												
52.3	54.7					53.3		0.11	0.11	0.08		0.17		0.14		18
54.7	55.7			Fine Grained Granite/Greisen: 54.7 55.2m: Cassiterite trace over last 30cms. Trace moly. 55.2 - 55.7m: Barren. Grades to:												
54.7	55.7					54.9		0.12	0.16	0.07		0.13		0.41		14
55.7	55.9			Greisen: Chalco present.												
55.9	56.4			Quartz - Feldspar Rock: Junction 50° diffuse. Rare Biotite. Chalco present - common.												
55.9	56.4					56.4		Trace 0.03	0.09	0.09		0.17		0.19		19

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ANALYSE	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag.
56.4	59.1			Greisen: Junction sharp, diffuse in detail.												
				56.4 - 57.0m: Chalco, bornite rare. No cassiterite. Moly trace.												
				57.0 - 57.9m: Trace moly and bornite. Iron stained at 57.9m		57.9	Trace	0.05	0.022		0.14		0.030		4	
				57.9 - 58.0m: Cassiterite rare.												
				58.0 - 59.1m: Cassiterite trace over last 15cms. Trace chalco. Trace moly.												
59.1	60.8			Fine Grained Granite/Greisen:												
				59.1 - 59.9m: Trace chalco		59.4	0.20	0.21	0.06		0.15		0.32		12	
				59.9 - 60.8m: Barren												
60.8	65.8			Greisen:												
				60.8 - 61.7: Barren. Lighter over last 10cms where cassiterite is rare.		61.0	Trace	0.04	0.028		0.16		0.16		5	
				61.7 - 62.4m: Chalco rare - trace. Cassiterite very rare - present.		62.5	0.16	0.24	0.07		0.18		0.17		13	
				62.4 - 63.3m: First 60cms, cassiterite present - rare. Chalco rare. Last 30cms, near fine grained granite. cassiterite rare.												
				63.3 - 63.7m: Near fine grained granite/greisen. Chalco common. Moly trace, plus unknown grey metallic mineral. (Chalcocite?). Associated with chalco.												
				63.7 - 63.9m: Grey greisen. Chalco common. Trace moly. Unknown mineral present - very common.												
				63.9 - 64.2m: Near fine grained granite/greisen. Chalco common. Unknown mineral rare.		64.0	0.14	0.18	0.07		0.20		0.075		22	
				64.2 - 65.2m: Greisen, often near fine grained granite/greisen. Chalco common - present. Bornite trace in last 30cms. Cassiterite common - present. Moly rare - trace. Unknown mineral trace.												
				*Lost 12cms core 62.1 - 64.4m												
				65.2 - 65.8m: Greisen. Cassiterite present. Chalco present. Moly trace. Unknown mineral trace.		65.5	0.28	0.31	0.12		0.16		0.09		25	
65.8	74.1			Fine Grained Granite/Greisen:												
				65.8 - 66.1m: White. Sharply graded junction. 'Horizontal'. Cassiterite trace - rare, chalco trace.												
				66.1 - 67.0m: Darker over last 15 cms. Cassiterite trace - very rare. Moly trace.		67.1	0.14	0.17	0.037		0.19		0.08		5	
				67.0 - 67.9m: Grey white. Cassiterite rare - very rare. Moly trace.												
				67.9 - 68.8m: Cassiterite very rare. Trace chalco.		68.6	0.23	0.20	0.003		0.15		0.016		1	

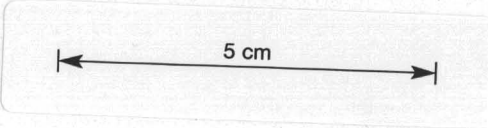
HOLE No.: B.T. 16



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212396

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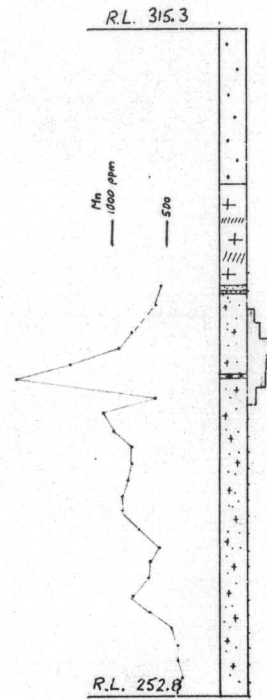


MWPS 24451

PLAN

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SASSAM - N
SBS086 - B E

DIP PROFILE



% Sn

0.01	<u>R.L. 290.9</u>
0.02	
0.11	
0.21	10.7m X 0.24% Sn
0.44	
0.35	
0.36	
0.17	<u>R.L. 280.2</u>
0.03	
0.02	
0.04	
0.05	
0.02	
0.02	
0.02	
0.01	
0.02	
0.03	
0.03	
0.06	
0.07	
0.05	
0.05	
0.06	
0.06	

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	ANALYSIS											
FROM	TO	m	%			FROM	TO	TOTAL	% Sn	% Cu	% Pb	% Zn	% Bi	g/t Ag	g/t WO ₃		
				26.1 - 26.3m: Pink, white.													
				26.3 - 27.2m: Whiter. Odd trace cassiterite.													
				27.2 - 28.1m: White, Cassiterite rare - very rare. Present for 9 cms at 27.3m		26.1	27.4	Trace	0.11	130		160		1			
				28.1 - 29.2m: Lost 28cms. Cassiterite rare - trace. Tracepyrite in broken greisen patch in lost core area.			29.0	0.16	0.21	140	830		100	2			
				29.2 - 30.0m: Cassiterite present - trace. Common over last 15cms. Trace moly in last 15cms.													
				30.0 - 30.9m: Cassiterite common - rare. White. Lost 28cms from 29.2 to 30.9m.			30.5	0.46	0.44	38	960		45	<1			
				30.9 - 32.0m: Cassiterite present - very rare. Patchy. Chalco present - very rare around 31.4 - 31.7m. First 28cms greisenised, remainder white grey. Fluorite rare at 31.4m.			32.0	0.33	0.35	200	1400		170	2			
				32.0 - 32.7m: Slightly greisenised. Darker. Fluorite present - common. Trace chalcopyrite in first 30cms. No cassiterite.													
	32.7	32.8		<u>Greisen:</u> Grey. Junctions diffuse sharply graded. Cassiterite very common. Coarse 1mm blebs.													
	32.8	62.5		<u>Fine Grained Granite/Greisen:</u>													
				32.8-33.7m: White, grey. Cassiterite present - very common. Very common over 7cms at 33.2m. Fluorite also common - mauve. Trace moly.			33.5	0.36	0.36	75	1900		220	2			
				33.7 - 34.4m: Very broken to 33.9. Whiter. Trace moly.													
				34.4 - 35.3m: White for first 10cms. Then white grey, greisenised. Cassiterite very common for 5cms at 34.7m. Trace moly. Trace chalco in last 15cms.			35.1	0.16	0.17	32	640		110	<1			
				35.3 - 36.1m: White - grey. Greisenised. Moly very rare - trace. Chalco trace. Cassiterite present over last 5cms.													
				36.1 - 37.0m: Lost 15cms. Trace chalco. Trace moly. Grey white. Greisenised. Fluorite present interstitial.			36.6	Nil	0.03	250	1100		210	4			
				37.0 - 37.4m: Lost 9cms. Trace chalco. Fluorite present. Mauve.													
				37.4 - 38.1m: White. Trace chalco & moly. Fluorite present.			38.1	Nil	0.02	180	1000		200	3			
				38.1 - 39.0m: White. Cassiterite very rare - trace. Chalco, moly, fluorite - trace.													
				39.0 - 39.8m: Trace moly, cassiterite, chalco & fluorite.			39.6	Nil	0.04	110	830		180	2			
				39.8 - 40.7m: White. Moly rare - very rare in parts.													
				40.7 - 41.6m: White. Moly rare - present. Cassiterite, chalco, fluorite, moly very rare - trace.			41.1	Trace	0.05	100	830		190	2			
				41.6 - 42.5m: Trace moly, chalco, fluorite. No cassiterite. Mineralisation less.													
				42.5 - 43.4m: Trace moly, white, slightly greisenised.			42.7	Nil	0.02	110	860		190	3			
				43.4 - 44.2m: Odd trace moly, chalco and fluorite.			44.2	Nil	0.02	110	920		200	2			
				44.2 - 45.1m: Odd trace moly, chalco and fluorite.													
				45.1 - 45.9m: White grey - greisenised. Trace moly. Odd trace cassiterite in last 15cms. Trace chalco.			45.7	Nil	0.02	65	930		190	2			

DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 16

212399

LOGGED BY : R.G. TAYLOR

405

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	ANALYSIS											
FROM	TO	m	%			FROM	TO	TOTAL	% Sn.	As-CLEAN	Cu.	ppm Mn	% S.	% Pb.	ppm Zn.	% Bi.	g/t Ag.
45.9	46.8			Trace chalco. Moly rare - very rare.													
46.8	47.7			White. Trace moly.		47.2	Nil	0.02	130	770			160			3	
47.7	48.6			White. Trace chalco over last 7 cms.													
48.6	49.6			Odd. Trace chalco and cassiterite. Trace moly.		48.8	N11	0.01	32	580			190			1	
49.6	50.3			Odd trace moly, fluorite present over last 15cms.		50.2	N11	0.02	65	670			200			2	
50.3	51.2			Moly trace - very rare. Fluorite present - trace. Trace chalco. White.		51.8	N11	0.03	120	680			190			3	
51.2	52.1			Moly, fluorite present - trace.													
52.1	53.0			Trace cassiterite in last 15cms. Chalco trace. Moly trace, fluorite present. Crystals of dark mineral in last 15cms - may be dark fluorite.		53.3	N11	0.03	100	820			170			2	
53.0	53.9			Trace moly and cassiterite and black mineral. Scratches brown but doesn't look likem woldframite.													
53.9	54.8			White. Trace cassiterite. Fluorite present - very common. Interstitial, mauve.		54.9	Trace	0.08	8	660			110			<1	
54.8	55.7			White. Trace cassiterite. Fluorite and moly trace in first 30cms.													
55.7	56.5			White. Trace cassiterite.		56.4	Trace	0.07	8	460			90			<1	
56.5	57.4			White. Trace cassiterite. Very rare in parts.													
57.4	58.2			White. Trace cassiterite. Very rare in parts.		57.9	Trace	0.09	8	400			80			<1	
58.2	59.1			Odd trace cassiterite.													
59.1	60.0			Odd trace cassiterite.		59.4	Trace	0.05	2	400			80			<1	
60.0	60.8			Odd trace cassiterite to 60.4m. Becoming grey. Cassiterite very rare.													
60.8	61.5			Cassiterite trace - very rare. Grey Fluorite trace.		61.0	Trace	0.06	5	360			120			<1	
61.5	62.5			Cassiterite trace. Whiter over last 30cms.		62.5	Trace	0.06	5	40			95			<1	
- END OF HOLE -																	

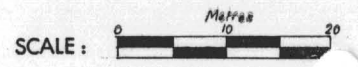
NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	%		ppm		%		%		g/t		
FROM	TO	m	%			FROM	TO	TOTAL	As	Cu	Mn	S	Pb	Zn	Bi	Ag
0	15.2			No core.												
15.2	15.4			Coarse Granite & Quartz Vein: 1 - 2cm, rotten, iron-stained coarse granite. 15cms badly broken-quartz-grey clean.		15.2	16.8	Trace	0.03	30	520				1	
15.4	18.9			Fine Grained Granite/Greisen: 15.2 - 16.6m: Quite coarse, white barren. Variable sometimes near coarse granite, sometimes near quartz-feldspar rock. At 16.1m, is 7cm fine grained darker area near greisen. Top junction not seen. Lower 45 - 50° to core axis. N.B. 15.2 - 16.6m BX core, lost 6cms. 16.6 - 18.3m: White - white grey - barren. 18.3 - 18.9m: Darkens and merges into greisen.			18.3	Trace	0.02	12	830			180	1	
18.9	19.5			Greisen: Grey. Cassiterite common-very common to 19.2m. Dies away over last 13cms. Chalcopyrite present-trace in first 30cms.												
19.5	20.2			Fine Grained Granite/Greisen: Grey - near greisen. Junction not seen-sharp? Coarser than fine grained granite/greisen above. Barren. Trace cassiterite in last 30cms. Yellow clay mineral visible on all joints			19.8	0.11	0.40	700	2000			510	12	
20.2	22.7			Greisen: 20.2 - 21.3m: Sharp gradational junction. Cassiterite present-common over first 15-30cms, then absent. Chalcopyrite, pyrite present-very rare throughout. Trace moly in final 5cms. 21.3 - 21.4m: Unusual patch of dark green mica and quartz. Cassiterite very common, coarse aggregates up to 5mm. 21.4 - 21.7m: Greisen. Cassiterite present-trace. Chalcopyrite very rare. Junction with above is diffuse. 21.7 - 21.8m: Exceptionally rich cassiterite (25-50%). Chalcopyrite present-rare. 21.8 - 22.0m: Cassiterite present-rare. Chalcopyrite increases common-present. 22.0 - 22.7m: Cassiterite common-rare. Chalcopyrite present-rare Grades into:			21.3	0.29	0.67	170	1400			250	4	
							22.9	1.45	1.44	32	1010			150	1	
22.7	35.6			Fine Grained Granite/Greisen: 22.7 - 22.9m: Cassiterite common. Chalcopyrite present common. 22.9 - 23.7m: Grey-near greisen, whiter over last 15cms. Sharp transition, grey-white, sub horizontal. Cassiterite present-very rare. Chalcopyrite, pyrite present-very rare. In lighter material cassiterite rare.												

REVISIONS
PP-ASBA
N.B. Cu, Zn, Ag & Mn assays by ANDEL (Report AC 1009/79)

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	ANALYSIS										
FROM	TO	m	%			FROM	TO	TOTAL	% Sn.	% Cu.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃
				23.7 - 24.2m : White-grey. Cassiterite present-rare. Chalcopryite + pyrite, present-rare. Trace moly at 23.8m.												
				24.2 - 25.0m : Cassiterite over final 15cms-present first 15cms. Trace over last 15cms. Chalco rare - trace.		24.4	0.46	0.56	1200	3000			1600	22		
				25.0 - 26.0m : Cassiterite, present-rare. Trace Chalco Trace moly.		25.0	0.21	0.02	230	1500			190	6		
				26.0 - 27.0m : Cassiterite, present-rare in first 15 cms then absent. Chalco trace-very rare over last 15cms. Trace moly N.B. 26.6 - 28.9m: Lost 15cms, probably first 15cms.												
				27.0 - 27.8m : Barren. Odd trace chalco.		27.4	0.11	0.12	240	1400			210	4		
				27.8 - 28.7m : Barren. Moly rare over last 15cms.												
				28.7 - 28.9m : Darker. Chalco rare		29.0	Nil	0.02	180	1400			160	3		
				28.9 - 29.6m : First 30cms, darker, grading whiter. Barren.		30.5	Nil	0.02	75	1100			150	2		
				29.6 - 30.4m : Last 30cms becoming darker. Trace moly over final 15cms.												
				30.4 - 31.3m : Trace moly, Trace chalco over final 45cms.		32.0	Nil	0.02	80	1500			210	3		
				31.3 - 32.2m : Moly rare over first 30cms. Barren		33.5	Nil	0.02	60	1700			210	3		
				32.2 - 33.1m : Barren white-grey												
				33.1 - 33.9m : Barren. Trace chalco at 33.4m. Trace moly.		35.1	Nil	0.02	110	1500			220	3		
				33.9 - 35.6m : Barren. Whiter and crisper at 35.4m N.B. 31.7 - 34.7, lost 15cms.												
	35.6	37.3		Greisen : 35.6 - 35.8m : Grey. Junction very sharp and defined 45° to core axis. Cassiterite rare-very rare.												
				35.8 - 36.6m : Some remnant feldspar. Cassiterite very rare in first 15cms. Fluorite very rare-trace over first 30cms.		36.6	Trace	0.05	8	1600			200	1		
				36.6 - 37.3m : Trace cassiterite in last 6cms. Trace fluorite in first 30cms.												
	37.3	60.4		Fine Grained Granite/Greisen 37.3 - 38.2m : Last 30cms. Junction sharp, 30° to core axis. Odd trace cassiterite.		38.1	Trace	0.05	5	1500			190	<1		
				38.2 - 38.7m : Barren. Minute trace cassiterite and chalco in last 6cms.												
				38.7 - 39.6m : Trace cassiterite and moly. Trace chalco in first 15cms.		39.6	Trace	0.12	80	1200			160	2		
				39.6 - 40.4m : Cassiterite very rare-rare. Trace chalco, moly over last 15cms		41.1	Trace	0.09	150	1000			140	3		
				40.4 - 41.3m : Cassiterite trace-very rare. Trace chalco over first 15cms.												
				41.3 - 42.2m : Grey white. Cassiterite rare-very rare in first 45cms, then trace.												
				42.2 - 43.2m : Trace cassiterite in first 15cms. Trace moly. N.B. 38.2 - 43.2m. Lost 25cms		42.7	Trace	0.05	140	1100			150	2		

HOLE No. : B.T. 14

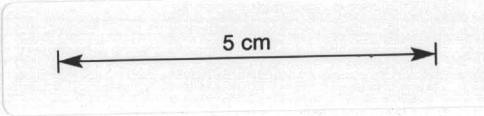


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DIAMOND DRILL HOLE PLOT

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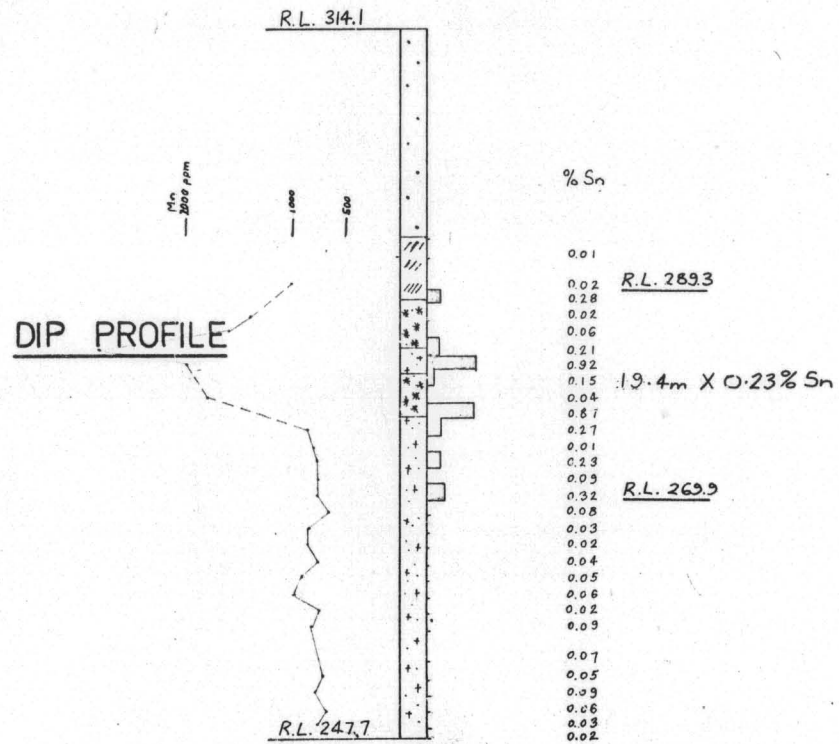
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NWPS 2451



PLAN

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S42579-2 N
S85041-2 E



NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As-STAN	% Cu.	ppm Cu	ppm Mn	% Pb.	ppm Zn	% Bi.	g/t Ag.
0	19.5	0	0	No core												
19.5	19.8	0.2		Coarse Quartz - Felspar Rock for 17cms, then junction with: Fine Grained Aplite: white, Upper junction marked by 2mm zone of pink feldspar. Approx. 45° to core.												
19.8	21.6	0.3		Fine Grained Aplite		19.8	21.6	Nil	0.01	Trace	10	30		10		<1
21.6	25.1			Coarse - Quartz - Feldspar Rock: 30cms pink and the remainder white. Feldspar often in vermicular blebs - altered sericitic in parts. 21.6 - 24.8m : Only 1.2m core 24.8 - 25.1m : Feldspars white yellow		21.6	24.8	Trace	0.02	Trace	18	100		130		1
25.1	25.6			Fine Grained Quartz - Feldspar Rock : Junction irregular, 50 - 70° to core axis. Similar mineralogy to the above. Slightly greisenised in parts. Pink white. Pyrite rare. At 25.5m, slight feldspar increase - pinking. Sharp junction with:												
25.6	29.9			Greisen 25.6 - 25.8m : Junction sharp, 0°-40°. At 25.6m is pegmatitic area, Quartz, Feldspar, Biotite. Not as coarse as usual. Junction with Quartz-Feldspar rock is quartzose. Broken below, Lower junction not visible. Greisen dark, fine grained. 25.8 - 26.5m : Normal grey greisen. Chalcopyrite present - common in parts. Bornite present. Pyrite rare. 26.5 - 27.3m : Chalcopyrite present to common. Bornite present. Trace molybdenite. Unknown black mineral rare over first 30cms. 27.3 - 28.1m : Less mineralised. Chalcopyrite present - rare. Bornite rare, Trace cassiterite at 28.1m. Unknown black mineral rare - present. Associated with chalcopyrite in parts. 28.1 - 29.1m : Mostly barren. Chalcopyrite-rare-very rare. Trace cassiterite. Trace moly at 28.3m. 29.1 - 29.9m : Cassiterite trace-present. Chalcopyrite very rare-rare. Moly at 29.3 to 29.6m. At 29.9m grades sharply but irregularly into:		24.8	25.9	0.28	NA	0.11	NA	NA		NA	NA	NA
						25.9	27.4	Trace	0.02	0.25	2500	1400		1950		38
						27.4	29.0	Nil	0.06	Trace	800	1600		1850		13
29.9	30.5			Fine Grained Granite/Greisen : Barren. White-yellow.		29.9	30.5	0.20	0.21	Trace	560	2800		1700		10
30.5	30.8			Greisen : Junction irregular graded. Cassiterite common-present. Very common in parts.												

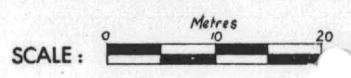
REVISION RE-ASSAY P. 50 N.B. Cu, Zn, Ag & Mn assays by AMDEL (Report AC 1005/79)

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.		ppm Cu		ppm Mn		ppm Zn		% Bi.	g/t Ag.	g/t WO ₃
FROM	TO	m	%			FROM	TO	TOTAL	ANALYST	% Cu.	% Cu	% Mn	% Pb.	% Zn	% Bi.	g/t Ag.
30.8	31.6			<u>Fine Grained Granite/Greisen</u> : Nearer greisen. Junction irregular around 45° to core. Cassiterite present over first 15cms then very rare-present.												
31.6	31.7			<u>Greisen</u> : Junction subhorizontal. Cassiterite present common. Chalcopyrite rare.												
31.7	32.0			<u>Fine Grained Granite/Greisen</u> : Top junction not seen. Cassiterite very common over first 15cms. Lower junction associated with broken ground. Yellow clay mineral common on joints. Cassiterite rare. Chalcopyrite-trace.		30.5	32.0	0.94	REASON RE-ASSAY % Sn 0.92	Trace	310	2000	600		6	
32.0	32.9			<u>Greisen</u> : Near fine grained granite/greisen in parts. Trace cassiterite. Moly and chalcopyrite very rare.												
32.9	33.2			<u>Fine Grained Granite/Greisen</u> : White yellow: Upper junction gradational. Chalcopyrite very rare. Moly very rare. Cassiterite rare-common. Common over last 5cms		32.0	33.5	0.15	N/A	Trace	NA	NA	NA		NA	
33.2	35.9			<u>Greisen</u> : 33.2 - 34.0m : Grey. Cassiterite-trace over first 15cms. Then barren. Chalcopyrite present to rare to 33.8m then absent. Trace moly around 33.3m. 34.0 - 35.0m : Barren. Trace cassiterite at 34.3m and 34.9m. Small patch of chalcopyrite-bornite at 34.7m for 15cms. 35.0m - 35.9m : Barren		33.5	35.1	Trace	0.04	Trace	460	1800	1200		6	
35.9	36.0			<u>Fine Grained Granite/Greisen</u> : Cassiterite present-very rare.												
36.0	36.05			<u>Greisen</u> : Cassiterite present - very common. Trace Moly at 36.0m												
36.05	36.4			<u>Fine Grained Granite/Greisen</u> : 36.05 - 36.7m: Cassiterite very rare-present. More at ends than in centre. 36.7 - 37.5m : Cassiterite rare-trace. 37.2-37.5: trace moly. 37.2: chalcopyrite. Bornite present. 37.5 - 38.4m : Barren 38.4 - 39.3m : Barren. Trace moly at 38.5 - 38.8m 39.3 - 40.1m : Barren. Trace cassiterite near 39.6m 40.1m - 41.0 : Cassiterite trace-present over first 44cms. Last 44cms trace moly. 41.0 - 41.9m : Trace cassiterite. Trace moly from 41.5m. 41.9 - 42.6m : Trace cassiterite. Trace moly. Trace fluorite over last 44cms 42.6 - 43.4m : Trace cassiterite. Rare in parts. Trace moly at 43.4m. 43.4 - 44.3m : Trace cassiterite. Rare in parts		35.1	36.6	0.87	N/A	Trace	NA	NA	NA		NA	
						36.6	38.1	0.25	0.27	Trace	520	880	160		7	
						38.1	39.6	Trace	0.01	Trace	100	810	140		2	
						39.6	41.1	0.24	0.23	Trace	290	780	170		4	
						41.1	42.7	0.16	0.09	Trace	260	770	130		4	
						42.7	44.2	0.28	0.32	Trace	85	780	120		2	

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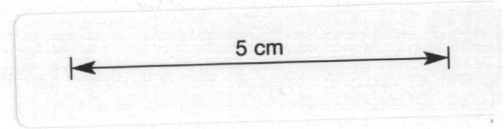
HOLE No. : B.T. 13



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DIAMOND DRILL HOLE PLOT

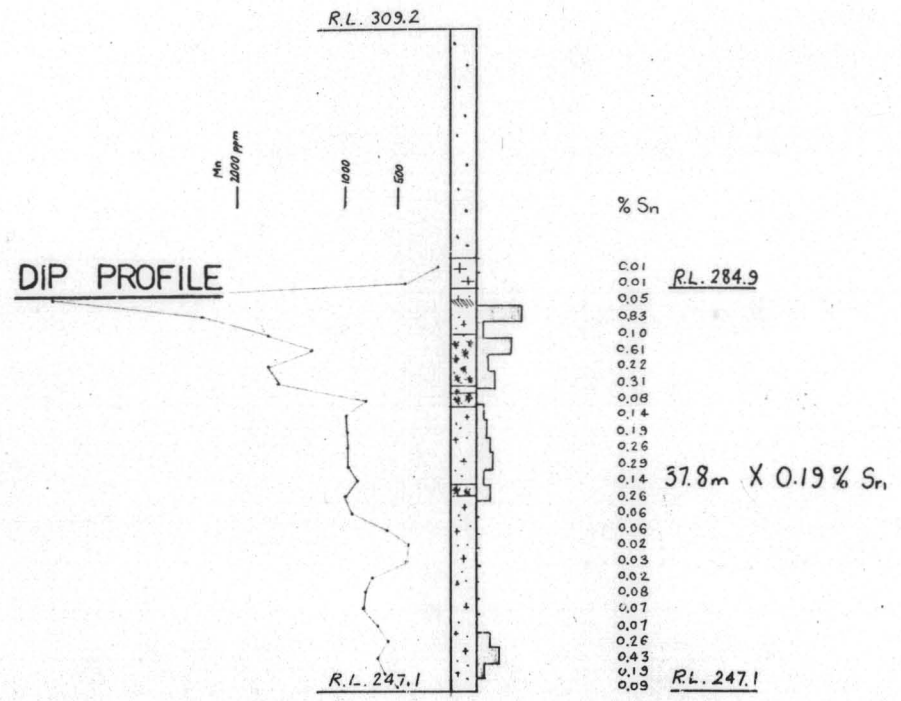
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PLAN

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S86021-5 E



NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.			% Sn.		ppm Cu		ppm Mn		ppm Zn		ppm Pb		ppm Bi		g/t Ag		g/t WO ₃	
FROM	TO	m	%			FROM	TO	TOTAL	ANALYSE	% Cu.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃								
0	21.3	0	0	NO CORE:																			
21.3	22.8			COARSE GRAINED GRANITE:																			
				Lost 0.6m of core. White slightly kaolinised, yellow clay on joints.		21.3	22.8	Nil	0.01	Tr.	8	110		30							2		
22.8	23.1			APLITIC DYKE:																			
				Top junction not seen. Lower 45° to core; sharp.																			
23.1	24.4			COARSE GRAINED GRANITE:		22.8	24.3	Nil	0.01	Tr.	45	420		200							1		
				23.1 - 23.7: Pink																			
				23.7 - 24.3: Pinker																			
				24.3 - 24.4: Dark, altered coarse grained granite.																			
				Top junction iron stained 25° to core. Lower diffuse, grades into pegmatitic material. Felspars altered to dark green mineral - chlorite?																			
24.4	26.4			PEGMATITIC MATERIAL - FINE GRAINED GRANITE/GREISEN:		24.3	25.9	Tr.	0.05	Tr.	270	3700		870							10		
				24.4 - 24.6: White massive feldspars, and grey quartz and disseminated pyrite.																			
				At 24.6m: Grades into similar material with the addition of green siliceous mineral above - produces a mottled green - white rock. Pyrite present.																			
				At 24.9m: Grades into finer green mottled rock, becoming darker towards 25.3m. Chalcopyrite present.																			
				25.3 - 25.9m: Grades back to lighter green, feldspar quartz - chlorite? rock.																			
				25.9 - 26.4m: Green colour becomes lighter. Rock is similar to fine grained granite/greisen. Cassiterite rare in patches.																			
26.4	28.2			FINE GRAINED GRANITE/GREISEN:		25.9	27.4	0.78	0.83	Tr.	240	2300		380							5		
				26.4 - 26.8: Unusual 'trout rock' of Hole 12. (27.9m) Light colour; cassiterite very common in parts.																			
				26.8 - 27.0: Fine grained granite/greisen. Cassiterite rare - present. Chalcopyrite rare - present.																			
				27.0 - 27.9: 'Trout Rock' cassiterite absent.																			
				27.9 - 28.2: Darker, almost greisen. Much dark green mineral - chlorite? Chalcopyrite common. Cassiterite very rare to absent.																			
28.2	33.2			GREISEN:		28.9	30.4	0.62	0.61	Tr.	530	1300		610							10		
				Cassiterite, chalcopyrite, bornite very common.																			
						32.0	0.18	0.22	0.21	2000	1700		1300								28		

479

N.B. Cu, Zn, Ag, Mn assays by AMDEL (Report AC100579)

DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 13

212415

LOGGED BY : R. TAYLOR

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	FROM		% Sn.		ppm Cu		ppm Mn		ppm Zn		% Bi.	g/t Ag.	g/t WO ₃
FROM	TO	m	%			FROM	TO	TOTAL	ASSAYED	% Cu.	% Mn.	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃		
43.8	62.1			FINE GRAINED GRANITE/GREISEN:		42.6	44.1	0.21	0.26		1050	980		320			16	
				43.8 - 44.1: Cassiterite very rare. Trace chalcopyrite.			45.7	Tr.	0.06	Tr.	150	930		190			4	
				44.1 - 45.0: Trace cassiterite over first 15cms then barren.			47.2	Tr.	0.06	Tr.	78	600		100			2	
				45.0 - 45.9: Barren. Very rare - trace moly. Trace chalcopyrite over last 5cms.			48.7	Tr.	0.02	Tr.	8	400		65			1	
				45.9 - 46.3: Barren			50.2	Nil	0.03		8	410		70			1	
				46.3 - 46.8: Becoming white. Trace cassiterite at 46.8.			51.8	Nil	0.02	Tr.	5	740		85			1	
				46.8 - 47.7: White, barren. 47.5 - 47.7, darker, trace chalcopyrite.			53.3	Tr.	0.08	Tr.	55	800		110			2	
				47.7 - 48.6: White, barren			54.8	Tr.	0.07	Tr.	90	830		100			2	
				48.6 - 49.5: White; barren.			56.3	Tr.	0.07	Tr.	8	600		85			1	
				49.5 - 50.4: Trace cassiterite at 49.6.			57.9	0.25	0.26	Tr.	5	600		85			<1	
				50.4 - 52.1: Barren.			59.4	0.43	0.43	Tr.	5	690		110			<1	
				52.1 - 53.1: Barren. Cassiterite very rare at 53.0			60.9	0.14	0.19	Tr.	2	620		90			<1	
				53.1 - 54.8: Barren, trace cassiterite in parts.			62.1	Tr.	0.09	Tr.	5	500		85			1	
				54.8 - 56.3: Barren. Minute traces of cassiterite.														
				56.3 - 58.8: Barren; traces of cassiterite. 0.5m core lost from 58.8 - 59.4														
				58.3 - 59.5: Cassiterite trace; rare in parts. Trace moly.														
				59.5 - 61.2: Barren.														
				61.2 - 62.1: Trace moly. Becoming whiter and coarser.														
				- END OF HOLE -														

421

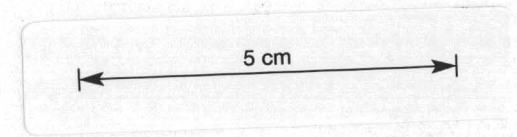
HOLE No. : B.T.12



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212417

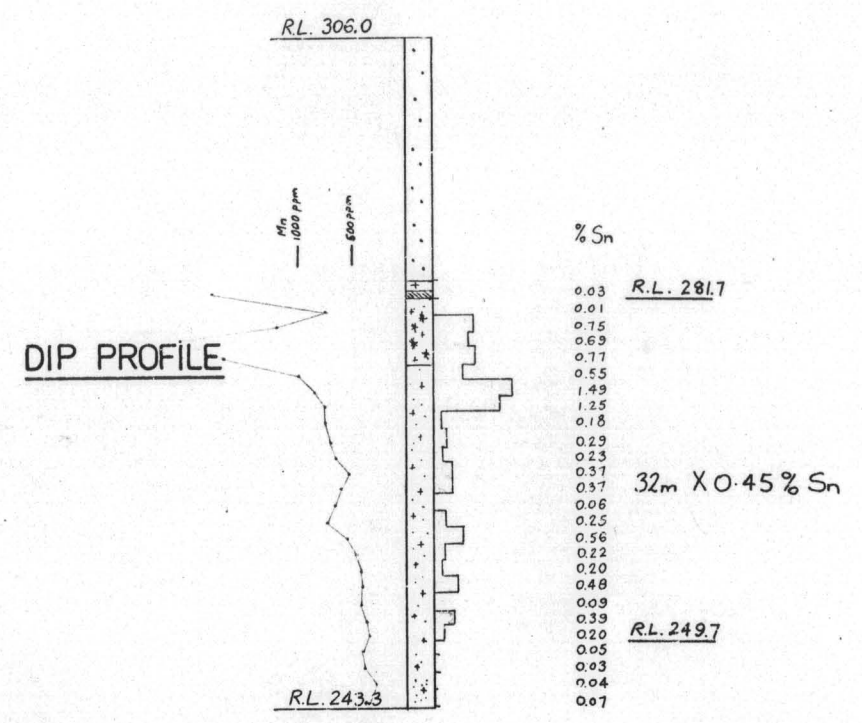
NWPS 2451



423

PLAN

⊗
5435827-3 N
586987-7 E



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 12

212418

LOGGED BY : R.G. TAYLOR

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	ANALYSIS										
FROM	TO	m	%			FROM	TO	TOTAL	% Sn	ppm Cu	ppm Mn	% S	% Pb	ppm Zn	% Bi	g/t Ag
0	22.8	0	0	NO CORE												
				Overburden												
22.8	23.3			COARSE GRANITE:		22.8	24.3	N11	0.03	700	1800		140		11	
				22.8 - 22.9m: Rotten white, yellow 22.9 - 23.3m: Pinking in depth.												
23.3	23.8			PEGMATITE ZONE:												
				The junction with the above is diffuse and subhorizontal. Biotite coarse and strongly developed in lower 8 cms. Pink felspar dominant in upper 8 cms. Lower junction diffuse.												
23.8	24.1			FINE GRAINED GRANITE/GREISEN:												
				Near to a fine grained granite. Top junction 20° to core axis, marked by a strong development of fine grained biotite. Pink, white, no mineralisation. 23.9 - 24.1m: Slightly darker. Pinking in depth.												
24.1	24.2			PEGMATITIC ZONE:												
				Quartzose at the base, with some chalcopyrite.												
24.2	26.2			FINE GRAINED GRANITE/GREISEN:		24.3	25.9	N11	0.01	10	750		55		<1	
				Fine grained at start, grain size increases towards 24.9m, also slight felspar pinking. No mineralisation. 24.9 - 26.2m: Pink, white, becoming whiter near 26.1m.												
26.2	27.9			GREISEN:		25.9	27.4	1.02	0.75	700	1200		2750		13	
				Green - grey 26.2 - 26.5: Chalcopyrite and bornite present. Cassiterite present. Common at 26.4m 26.5 - 27.1: Lighter colour; cassiterite common, very rich in patches; chalcopyrite rare. 27.1 - 27.9: Cassiterite common, especially around 27.1m chalcopyrite rare. Molybdenite very rare.												
27.9	28.4			FINE GRAINED GRANITE/GREISEN:		27.4	28.9	0.63	0.69	1140	2100		2750		22	
				Unusual rock type. Pink, white, slightly coarser than usual, with dark biotitic spots. Trout like upper junction, diffuse sub-horizontal. Cassiterite very rich in upper area, seems to replace biotite. Lower area shows more chalcopyrite and bornite. Lower junction gradational												

424

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	%		ppm		%		g/t				
FROM	TO	m	%			FROM	TO	TOTAL	ASSAYED	Cu	Mn	S	Pb	Zn	Bi	Ag
28.4	30.5			GREISEN:		28.9	30.4	0.67	0.77	150	1700			3500	11	
				Grey-green 28.4m - 28.9m: Chalcopyrite and bornite throughout, common near top. Cassiterite very rare to absent.												
				28.9 - 29.6m: Chalcopyrite and bornite present. Cassiterite rare at 29.1m, more common towards 29.6m. Rare fluorite on joints. Very rare molybdenite.												
				29.6 - 30.5m: Lighter coloured towards 29.8. Chalcopy- rite, rare to absent. Rare fluorite. Cassiterite present, especially near 29.8m.												
30.5	59.3			FINE GRAINED GRANITE/GREISEN:		30.4	32.0	0.53	0.55	22	1000			140	1	
				Grey-white. Grades sharply with the above. Cassiterite present; no chalcopyrite.												
				31.3 - 32.2m: Cassiterite common over first and last 15 cms.												
				32.2 - 32.5m: Cassiterite present to rare.												
				32.5 - 32.9m: Cassiterite present to rare; more near 32.8m												
				32.9 - 33.8m: Cassiterite common in parts.		32.0	33.5	1.58	1.49	70	850			100	2	
				33.8 - 34.1m: Cassiterite common in parts.												
				34.1 - 34.4m: Cassiterite present to common, dies away over last 8 cms.												
				34.4 - 35.2m: Cassiterite present for first 8 cms, very rare in rest. Rock grades into darker fine grained granite/greisen.		33.5	35.0	1.30	1.25	100	750			100	2	
				35.2 - 36.1: Cassiterite rare to very rare.												
				36.1 - 36.8: Cassiterite very rare to absent. Chal- copyrite very rare. Broken.		35.0	36.5	0.12	0.18	160	750			120	3	
				36.8 - 37.4: Cassiterite very rare; rare over last 10 cms.												
				37.4 - 38.1: Grades into lighter coloured rock. Core very broken in parts.		36.5	38.1	0.25	0.29	230	700			130	4	
				38.1 - 39.0: Cassiterite rare, very rare over final 10 cms.												
				39.0 - 39.9: Cassiterite very rare. Some over final 15 cms.		38.1	39.6	0.16	0.23	100	660			120	3	
				39.9 - 40.8: Cassiterite very rare to rare; core broken.												
				40.8 - 41.3: Cassiterite present to very rare. Core broken.		39.6	41.1	0.35	0.37	210	540			170	3	
				41.3 - 42.1: Rock slightly more altered, diffuse grains and a yellowish tinge. Cassiterite very rare - rare over last 15cms												
				42.1 - 42.8: Cassiterite common to present over first 30 cms, then rare to absent. Chalcopy- rite very rare.		41.1	42.6	0.38	0.37	160	610			140	3	

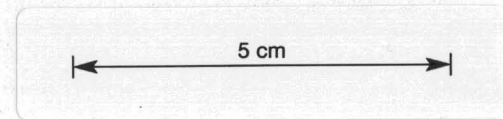
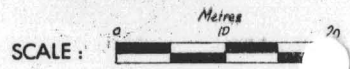
425

NWPS 29406

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212422 HOLE No.: BT.11

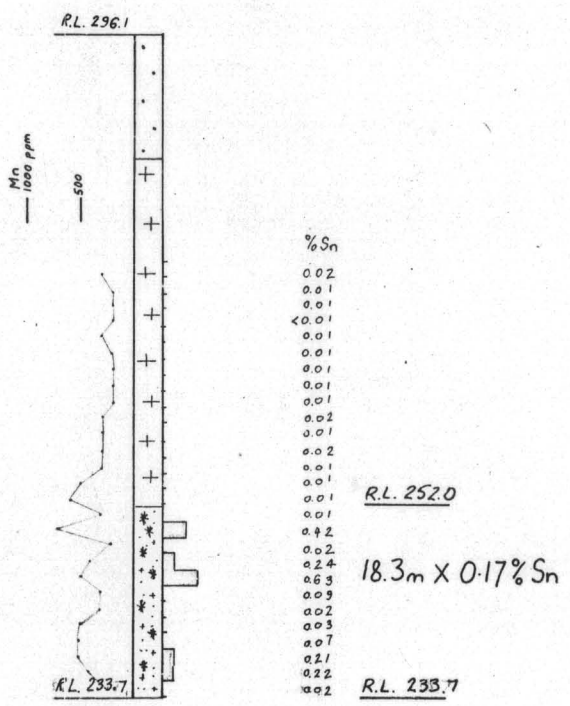
428



PLAN

⊗ 643524A-DN
586016-S-E

DIP PROFILE



212423

429

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag.
0	11.5			NO CORE												
11.5	22.1			COARSE GRAINED GRANITE: 7.0m of core lost 11.5 - 19.8m: Broken, weathered, white orange 19.8 - 22.1m: Coarse granite, white.		11.5	21.3	Not Assayed								
						21.3	22.8	Trace	0.02	0.021		0.03		0.011		<1
22.1	22.7			FINE GRAINED APLITE/GREISEN: No mineralisation. Upper junction 60° to core. Lower not visible.												
22.7	28.8			COARSE GRANITE: 23.3 - 23.7m: Pink 23.7 - 28.8m: White; yellow clay mineral on joints.		22.8	24.3	Nil	0.01	0.004		0.02		0.008		<1
							25.9	Nil	0.01	0.003		0.02		0.007		<1
							27.4	Nil	0.01	0.001		0.02		0.007		<1
							28.9	Nil	0.01	0.003		0.03		0.009		<1
28.8	29.0			GREISEN:												
29.0	39.0			WHITE COARSE GRAINED GRANITE: 30.4 - 32.0m: Coarse grained granite, with four partly greisenised veins, total length 12 cms. No cassiterite. Badly broken. 32.0 - 35.3m: Grades into pink coarse granite. 35.3 - 38.4m: White, coarse grained granite. 38.4 - 39.0m: Pinks.		28.9	30.4	Trace	0.01	0.001		0.02		0.006		<1
							32.0	Nil	0.01	0.004		0.02		0.010		<1
							33.5	Nil	0.01	0.001		0.02		0.007		<1
							35.0	Nil	0.01	0.004		0.02		0.007		<1
							36.5	Nil	0.02	0.001		0.03		0.006		<1
							28.1	Nil	0.01	0.002		0.03		0.006		<1
							39.6	Nil	0.02	0.019		0.03		0.007		1
39.0	39.3			APLITIC-QUARTZ-FELSPAR: Fine grained material. Some chalcopyrite and bornite. Upper junction 20° to core, occupied by 2mm quartz vein. Lower junction similar.												
39.3	44.2			COARSE GRANITE: 39.3 - 41.1: Pink granite. 41.1 - 44.2: Pink granite; more altered, biotite rare especially from 41.7m. Alaskite.		39.6	41.1	Trace	0.01	0.001		0.03		0.006		<1
							42.6	Nil	0.01	0.001		0.05		0.006		<1
							44.1	Nil	0.01	0.001		0.06		0.005		<1
44.2	44.3			PINK FELSPAR:		44.1	45.7	Nil	0.01	0.006		0.03		0.006		1
44.3	44.4			APLITIC, FINE GRAINED GRANITE:												
44.4	44.5			COARSE GRAINED GRANITE: Upper junction 80° to core.												
44.5	46.3			FINE GRAINED GRANITE/GREISEN: 44.5 - 46.0m: Pink, green 46.0 - 46.3m: Whiter, some chalcopyrite.		45.7	47.2	0.38	0.42	0.11		0.07		0.013		7

DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 11

212424 LOGGED BY : R. TAYLOR

430

NWPS

INTERVAL (m)	RECOVERY	DESCRIPTION	FORM.	% Sn.													
				FROM	TO	TOTAL	As	% Cu.	% As.	% Mn	% Pb.	% Zn.	% Bi.	g/t Ag.	g/t WO ₃		
46.3	47.2	<u>GREISEN:</u> Upper and lower junctions graded. Rich in chalcopyrite and bornite. Cassiterite present.															
47.2	49.6	<u>GREISEN/FINE GRAINED GRANITE:</u> Becoming whiter in depth.		47.2	48.7	Nil	0.02	0.005	0.02	0.004	1						
					50.2	0.21	0.24	0.24	0.04	0.007	19						
49.6	50.9	<u>GREISEN:</u> Upper and lower junctions graded. At 50.2m, is green fluor-apatite? Rich in chalcopyrite and bornite. Cassiterite rare. Possibly some native copper.															
50.9	58.2	<u>FINE GRAINED GRANITE/GREISEN:</u> 50.9 - 51.8m: Altered, some cassiterite; no chalcopyrite. 51.8 - 54.8m: Almost fine grained granite. Chalcopyrite very rare. 54.8 - 56.3m: White, rotten in parts; chalcopyrite trace at 56.3m. 56.3 - 57.3m: Darker, yellow clay on joints. No mineralisation. 57.3 - 58.2m: Lighter, rare chalcopyrite		50.2	51.8	0.57	0.63	0.18	0.05	0.010	9						
					53.3	Tr.	0.09	0.06	0.07	0.007	6						
					54.8	Tr.	0.02	0.019	0.03	0.008	2						
					56.3	Tr.	0.03	0.10	0.05	0.013	12						
					57.9	Tr.	0.07	0.08	0.05	0.012	9						
58.2	59.1	<u>GREISEN:</u> Graded junctions; chalcopyrite, bornite present in patches especially towards 59.1m.		57.9	59.4	0.15	0.21	0.20	0.05	0.017	23						
59.1	59.4	<u>FINE GRANITE/GREISEN:</u>															
59.4	59.7	<u>GREISEN:</u> Chalcopyrite, bornite common in patches, cassiterite rare.		59.4	60.9	0.16	0.22	0.11	0.04	0.009	9						
59.7	62.4	<u>FINE GRAINED GRANITE/GREISEN:</u> 59.7 - 60.0m: White 60.0 - 60.6m: Almost a fine grained granite. Chalcopyrite very rare. 60.6 - 60.9m: Slight greisenisation.. Chalcopyrite and bornite common in patches. 60.9 - 62.4m: Minor greisen; chalcopyrite and bornite in patches.		60.9	62.4	Nil	0.02	0.08	0.02	0.006	8						
- END of HOLE -																	

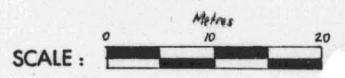
NWPS 28406

RENISON LIMITED DIAMOND DRILL HOLE PLOT

HOLE No.: BT. 10

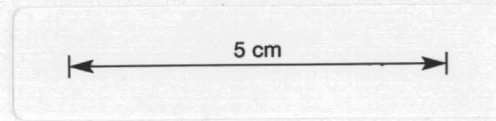
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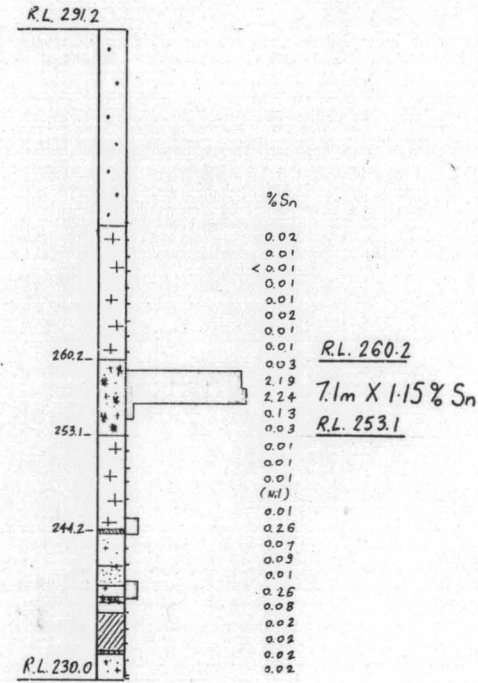


PLAN

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S328258.8 N
S85012.9 E



DIP PROFILE

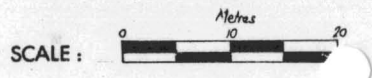


NWPS 39406

RENISON LIMITED DIAMOND DRILL HOLE PLOT

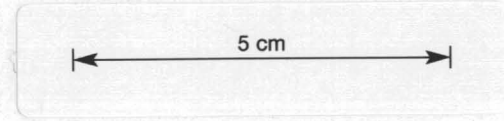
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436

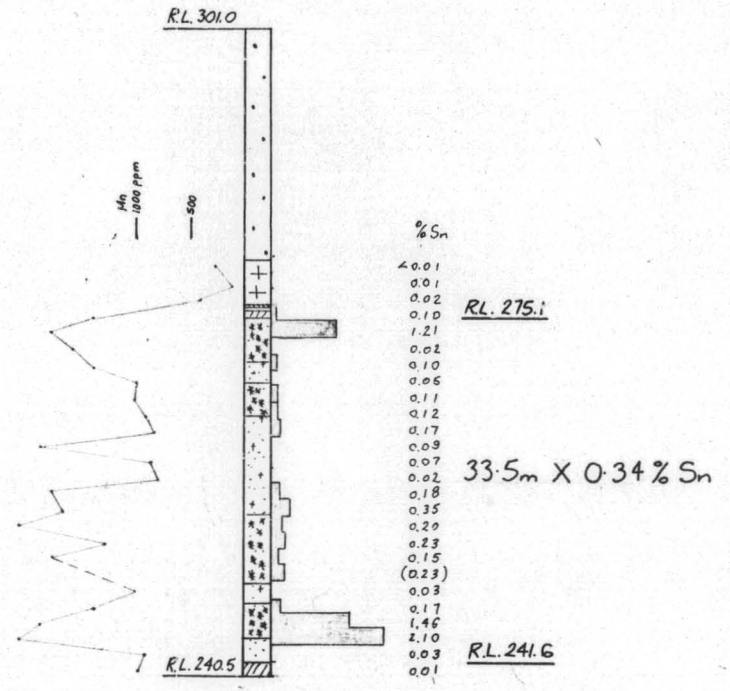


PLAN

⊗
S435190-SN
S85020-SE



DIP PROFILE



NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	ANALYSIS												
FROM	TO	m	%			FROM	TO	TOTAL	% Sn	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0	21.3	0	0	NO CORE														
21.3	25.8			COARSE GRANITE 21.3 - 24.6 : Decomposed-orange-pink, kaolinised 24.6 - 25.8 : More solid-pink; Biotite rare from 24.7m		21.3	22.8	Nil	<0.01	12	270					60		<1
							24.3	Nil	0.01	10	130					35		<1
							25.9	Nil	0.02	10	410					90		1
25.8	25.9			PEGMATITE Junctions obscure. Biotite greenish		25.9	27.4	Tr.	0.10	1100	1400					550		13
25.9	26.2			GREISEN Dark, coarse in patches.														
26.2	27.1			QUARTZ ROCK Light colour, aplitic in parts. Top junction sub-horizontal, lower diffuse, graded over 10cms. Some biotite. Rare bornite, fluorite and chalcopryite.														
27.1	31.0			GREISEN 27.1 - 28.3 : Coarse equigranular (3mm) Quartz, greenish biotite, with rare muscovite and feldspar; Cassiterite and bornite common. 28.3 - 31.0 : Fine grained, diffuse and darker. Greenish colour tinge. Much biotite and sericite-talc mineral. Chalcopryite present. Cassiterite very rare. Between 29.8 - 30.4m is rather felspathic (fine grained granite/greisen)		27.4	28.9	1.17	1.21	1100	1800					2000		13
							30.4	Tr.	0.02	2600	1600				4500		42	
							32.0	Tr.	0.10	190	1400				660		4	
							33.5	Tr.	0.05	110	1000				130		3	
31.0	33.0			WHITE FINE GRAINED GRANITE/GREISEN Upper junction not seen. No mineralisation. 32.0 - 32.6 : Grades into darker fine grained/granite greisen-feldspars less predominant. Cassiterite present, green sericite-talc mineral common. Yellow clay-powder common. Some chalcopryite. Grades back into :- 32.6 - 33.0 : White material very felspathic.														
33.0	36.2			GREISEN 33.0 - 33.8 : Junction gradational over 10cms. No mineralisation. 33.8 - 34.5 : No mineralisation. Lot of green sericite-talc mineral. 34.5 - 35.6 : Moly crystal at 34.8. Chalcopryite at 35.0m. 35.6 - 36.2 : Chalcopryite at 35.6m. Cassiterite and chalco. at 36.2m. Grades into :-		33.5	35.0	0.10	0.11	65	1020				30		2	
							36.5	0.11	0.12	140	910				100		2	
36.2	45.4			FINE GRAINED GRANITE/GREISEN 36.2 - 37.4 : No mineralisation. 37.4 - 38.4 : No mineralisation. Greisen patch, 37.4 - 37.6m., dark. Chalco and cassiterite common.		36.5	38.1	0.16	0.17	80	840				110		2	
							39.6	Tr.	0.09	18	1900				75		1	
							41.1	0.10	0.07	15	870				95		1	
							42.6	Tr.	0.02	32	800				95		<1	
							44.1	0.23	0.18	5	1900				180		<1	

437

DIAMOND DRILL RECORD

HOLE NUMBER : B.T.8

212436

LOGGED BY : R. TAYLOR

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag.
52.3	53.3			<p>FINE GRAINED GRANITE/GREISEN - QUARTZ-FELSPAR ROCK:</p> <p>Sub aplitic in parts. Pink white. Quartz - felspar muscovite with or without biotite.</p>													
53.3	54.4			<p>ALTERED COARSE GRANITE:</p> <p>Pink, white. Slightly kaolinised. Green sericite - talc common. Biotite rare.</p>													
54.4	55.4			<p>PEGMATITE:</p> <p>Top junction obscure quartzose and fine grained greisen with heavy biotite content. Some fluorite. Lower junction obscure, associated with biotite and very fine grained greisen. Lost 30 cms core between 54.8 - 55.7.</p>													
55.4	57.1			<p>FINE GRAINED GRANITE/GREISEN:</p> <p>Flesh coloured, slightly aplitic texture. At 56.6m pinks slightly and becomes coarser with an increase in biotite.</p>													
57.1	57.5			<p>PEGMATITIC - COARSE GRANITE AREA:</p> <p>Top junction 85° to core, basal junction similar.</p>													
57.5	60.9			<p>FINE GRAINED GRANITE/GREISEN:</p> <p>Light coloured, diffuse appearance. Generally lacking in biotite. At 57.9m, 15cms of greisenised material 59.1 - 60.9m: White, fine grained granite; less diffuse biotite common.</p>													
				- END OF HOLE -													

442

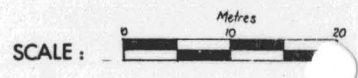
NWPS

446

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.		ppm		ppm		ppm		g/t Ag		g/t WO ₃	
FROM	TO	m	%			FROM	TO	TOTAL	As	% Cu.	% Ni	% S.	% Pb.	% Zn.	% Bi.		
				28.8m: One 6mm tourmaline crystal; black;													
				28.9m: Cassiterite present and copper mineralisation.													
				- 29.2m: Cassiterite common. Bornite less frequent. Rare interstitial fluorite.													
				29.2 - 29.5m: Slightly less mineralisation; some chalcopyrite.													
				29.5 - 29.8m: Sphalerite? Common, associated with bornite. Also a possible wolframite crystal. Cassiterite very rare.													
				- 30.4: Chalcopyrite and cassiterite rare. Bornite and sphalerite (?) common. Some horizontal fluorite veinlets. Rock has a slightly darker appearance in the sphalerite (?) zone.													
				- 30.7m: Sphalerite (?) diminishes													
				- 31.0m: Sphalerite (?) diminishes; slight chalcopyrite increase.													
				- 31.3m: No cassiterite; bornite very rare. Rock is lighter coloured.													
				- 32.3m: As above, but at 32.3m, some relict feldspar patches appear. Rock much lighter.													
				- 32.6m: Fine grained granite/greisen.													
				- 33.0m: Very little mineralisation; cassiterite very rare.													
				- 33.5m: Cassiterite very rare.													
				- 33.8m: Cassiterite rare.													
				- 34.1m: Cassiterite common; chalcopyrite rare.													
				- 34.4m: Cassiterite present; chalcopyrite rare; slightly coarser grain.													
				- 34.7m: Cassiterite rare; chalcopyrite rare; biotite dark green.													
				- 35.0m: Cassiterite present; chalcopyrite rare;													
				- 35.3m: Cassiterite common; chalcopyrite, very rare.													
				- 35.9m: Cassiterite common; chalcopyrite very rare; dark biotitic patch at 35.4m.													
				- 36.2m: Cassiterite very common; chalcopyrite very rare.													
				- 36.5m: Cassiterite present. Chalcopyrite rare. Yellow clay on joint.													
				- 36.8m: Cassiterite present; no chalcopyrite; yellow sericite common.													
				- 37.4m: Cassiterite present; chalcopyrite very rare; yellow sericite common.													
				- 37.7m: Cassiterite present; associated with biotite.													
				- 38.1m: Cassiterite rare; yellow clay on joints.													
				- 38.4m: Cassiterite very rare; some chalcopyrite.													
	38.4	46.4		FINE GRAINED GRANITE/GREISEN:													
				Pink - white		39.6	41.1	NIL	0.03	18	250		60		<1		
							42.6	NIL	0.02	15	320		95		<1		
				38.4 - 39.0m: GREISENISED; some cassiterite and chalco.			44.1	TR.	0.04	5	330		90		<1		
							45.7	TR.	0.03	12	300		80		<1		
							47.2	NIL	0.02	10	670		50		<1		

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	ANALYSIS											
FROM	TO	m	%			FROM	TO	TOTAL	% Sn.	ppm As	ppm Mo	% S.	% Pb.	ppm Zn.	% Bi.	g/t Ag.	g/t WO ₃
				- 39.3m: Fine grained granite/greisen. Some cassiterite and chalcopyrite. Gradual increase in pink feldspar.													
				- 40.2m: Fine grained granite/greisen; no mineralisation; pinking in depth.													
				- 46.4m: As above; some fluorite and some green sericitic-talc.													
46.4	50.5			COARSE GRANITE:													
				Abrupt change to coarse granite. Junction 80 - 85° to the core.		47.2	48.7	NIL	0.01	8	730			60		<1	
							50.2	NIL	0.01	8	540			55		<1	
				46.4 - 47.5m: Pink, shading into white; up to 46.7m, biotite rare. At 47.2, 5cm aplite. Sharp contact, 45° to core.													
				49.9 - 50.5m: Pinks again.													
50.5	51.2			FINE GRAINED GRANITE/GREISEN:													
				Top junction grades with some coarse felspar. The lower is sharp at 45° to core axis.		50.2	51.8	TR.	0.01	12	100			70		<1	
51.2	54.4			COARSE GRANITE:													
				Pink for 15cms, then white; pinks again at 54.0m		51.8	53.3	NIL	0.01	5	420			50		<1	
54.4	54.9			FINE GRAINED GRANITE/GREISEN - QTZ. FELDSPAR ROCK		53.3	54.8	NIL	0.01	8	60			50		<1	
				Sub aplitic in parts, with very little biotite; mainly quartz - feldspar rock. Top junction sharp - details diffuse. Lower sharp at 15° to core axis. Marked by a strong biotite zone.													
54.9	58.8			COARSE GRANITE:		54.8	56.3	TR.	0.01	5	630			55		<1	
				54.9 - 55.7m: Granite pink; grading to white.			57.9	NIL	0.01	5	460			60		<1	
				58.2 - 58.8m: Pinks slightly and becomes increasingly quartzose.			59.4	NIL	0.01	5	770			60		<1	
58.8	59.4			QUARTZ-FELSPAR ROCK:													
				Fine grained with muscovite and biotite. Top junction obscure. Colour white, pink.													
59.4	59.7			FINE GRAINED GRANITE/GREISEN:													
				Biotite increases; white-grey; top junction diffuse, sub-horizontal.		59.4	60.9	NIL	0.01	5	430			50		<1	
59.7	61.4			PEGMATITE:													
				Sharp, diffuse upper boundary. 30cms from end is a fine grained patch, rich in biotite, sharp junction back to coarse material, 10-15° to core axis. Top junction obscure. Final 15cms coarse pegmatite.		60.9	61.4	NOT ASSAYED.									
- END OF HOLE -																	

NWPS 29406



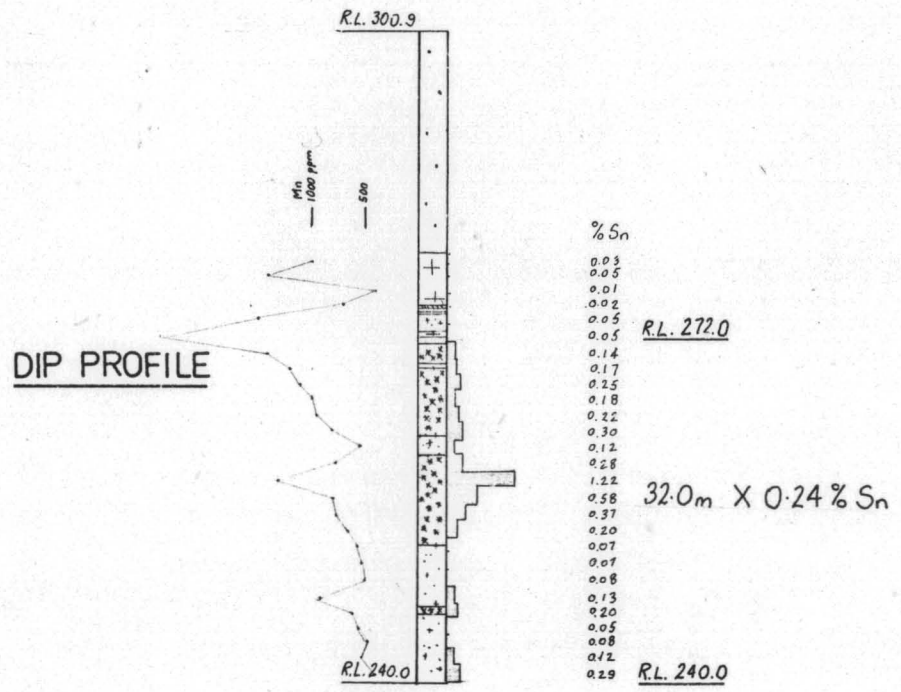
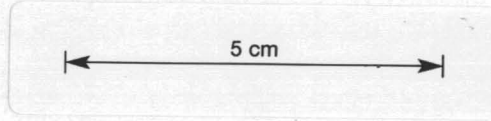
RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212443 HOLE No.: B.T.6

449

PLAN

436727.3N
5829114.E



NWPS

450

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	As	Cu	Ag	Mn	Pb	Zn	Bi	g/t Ag
0	20.8	NIL	0	No core recovered.	20.8	20.8	21.3	NIL	0.03	10		1000	220		1	
				<u>COARSE GRANITE:</u>			22.8	NIL	0.05	10		1400	100		1	
							24.4	NIL	0.01	5		400	55		<1	
							25.9	NIL	0.02	5		700	55		<1	
20.8	25.7			20.8 - 21.7m: Weathered variety, pink white. Pink feldspars, decomposed, often with greenish patches of sericite - talc material. Quartz, rare fluorite. At 21.5m, white mica muscovite appears. Gradual change to less weathered pink granite, (type 1). Dark content increases to 21.7m, and muscovite and biotite increases.			27.4	NIL	0.05	2700		1500	1650		45	
							28.9	Tr.	0.05	330		2400	530		8	
							30.5	Tr.	0.14	38		1400	130		1	
							32.0	0.14	0.17	110		1200	120		2	
							33.5	0.18	0.25	100		1100	160		2	
							35.0	0.14	0.18	95		980	140		1	
							36.5	0.17	0.22	60		960	130		1	
				21.7 - 22.0m: Pink coarse granite.			38.1	0.21	0.30	45		800	70		1	
							39.6	0.22	0.12	8		540	60		<1	
							41.1	0.11	0.28	22		780	100		1	
				22.0 - 22.8m: Becoming whiter. At 22.6m, quartzose area over 15cms, subvertical; Quartz muscovite biotite vein?			42.6	1.15	1.22	56		1300	180		1	
							44.2	0.53	0.59	90		800	100		2	
							45.7	0.33	0.37	95		760	100		2	
				22.8 - 25.3m: White coarse granite.			47.2	0.15	0.20	55		700	100		1	
							48.7	Tr.	0.07	20		570	90		<1	
							50.2	Tr.	0.07	8		530	85		<1	
				25.3 - 25.7m: Pink coarse granite; Biotite disappears around 25.6m and grades into			51.8	Tr.	0.08	2		480	85		1	
							53.3	0.11	0.13	5		900	110		1	
							54.8	0.17	0.20	5		610	90		<1	
25.7	26.0			<u>PEGMATITE</u>			56.3	Tr.	0.05	5		550	90		<1	
				Pink; biotite reappears. Coarse feldspars, pink, greater than 2.5cms. Quartz. Biotite often greater than 2.5cms. diameter; Trace chalcopyrite. Some muscovite - sericite.			57.9	Tr.	0.08	5		470	78		<1	
							59.4	Tr.	0.12	5		520	85		<1	
							60.9	0.22	0.29	8		400	65		<1	
26.0	26.2			<u>FINE GRAINED GRANITE/GREISEN</u>												
				At 26.0m, sharp junction with pegmatite. Feldspar crystal projects down into this unit. Much green sericite - talc material.												
26.2	26.4			<u>COARSE GRANITE?</u>												
				Grain size coarsens; 8cm pegmatitic development resembling pegmatite; followed by 2.5cm aplitic type, then 2.5cm greisen vein, very heavily biotised. Aplite junction horizontal; greisen junctions not clear.												
26.4	26.8			<u>GREISEN</u>												
				With much green sericite - talc material. Chalcopyrite and bornite very common.												
26.8	27.1			<u>FINE GRAINED GRANITE/GREISEN</u>												
				Lighter colour, 15cm. gradational junction; Chalcopyrite and bornite very common.												
27.1	27.4			<u>GREISEN</u>												
				Rock darkens; loose feldspar; heavy biotite development. Less chalcopyrite and bornite. Junctions graded but												

N.B. Cu, Zn, Ag + Mn assays by AMDEL. (Report AC 1005/79)

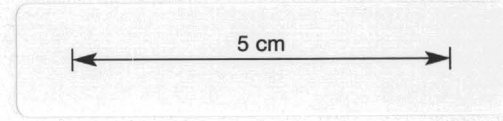
NWPS 29408



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212448 HOLE No.: B.T.5

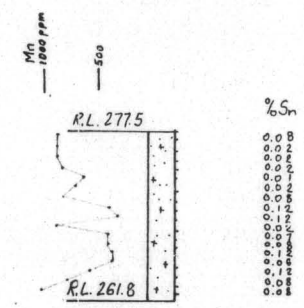
454



PLAN

⊗
S415360-2 N
S41540-5 E

DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 5

212449

LOGGED BY : R. Taylor

NWPS

455

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	FROM		% Sn.		ppm Mn		ppm		g/t	
FROM	TO	m	%			FROM	TO	TOTAL	As STAN.	% Cu.	% As.	% S	% Pb.	% Zn.	% Bi.
0.0	15.7	15.7	100	FINE GRAINED GRANITE/GREISEN	0	0.9	0.10	0.08		75	870	130			2
				0 - 0.9m : Near to greisen; Feldspar visibly altering to green sericite - talc mineral; Barren;		1.8	NIL	0.02		85	880	230			2
				0.9 - 1.8m : Barren; whiter;		2.7	NIL	0.02		80	880	210			2
				1.8 - 2.7m : Barren; fluorite very rare;		3.6	NIL	0.02		190	820	210			2
				2.7 - 3.6m : Rare chalcopyrite, fluorite very rare.		4.6	NIL	0.01		150	630	190			2
				3.6 - 4.6m : Rare chalcopyrite, fluorite very rare.		5.5	NIL	0.02		160	700	180			2
				4.6 - 5.0m : Very rare chalcopyrite fluorite very rare.		6.4	Tr.	0.05		150	800	200			2
				5.0 - 5.9m : Rare chalcopyrite, fluorite very rare; trace moly.		7.3	Tr.	0.12		210	380	100			3
				5.9 - 6.7m : Rare chalcopyrite, fluorite rare.		8.2	Tr.	0.12		95	300	70			1
				6.7 - 7.2m : Rare chalcopyrite, fluorite rare.		9.1	NIL	0.02		28	870	130			1
				7.2 - 8.5m : White, yellow. Gradational junction.		10.0	Tr.	0.07		90	380	90			1
				8.5 - 10.0m : Gradational junction. Darker, nearer greisen.		10.9	Tr.	0.08		95	380	120			1
				10.0 - 12.1m : Whiter, barren.		11.8	Tr.	0.12		90	350	80			1
				12.1 - 13.8m : Darker; nearer greisen. Very rare greisen, chalcopyrite.		12.8	Tr.	0.06		45	350	100			2
				13.8 - 14.3m : Coarser, silicified; some chalcopyrite - trace.		13.7	0.10	0.12		460	550	160			5
				14.3 - 15.2m : Nearer greisen.		14.6	Tr.	0.08		260	760	180			3
				15.2 - 15.7m : Coarser, silicified; a little iron stained.		15.2	Tr.	0.08		330	1000	280			3
				END OF HOLE											

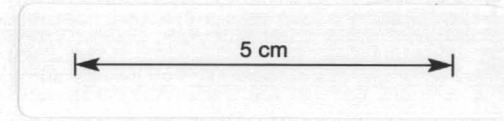
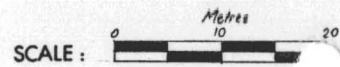
N.B. Cu, Zn, Ag & Mn assays by ANAL. (Report AC-1005/79)

NWPS 29405

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212454 HOLE No. : B.T. 3

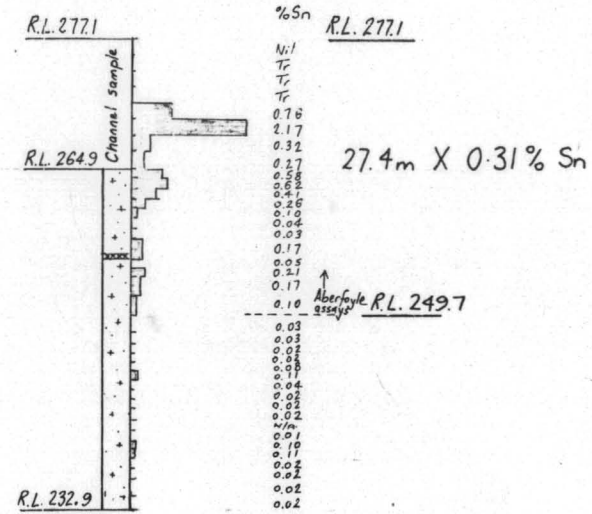
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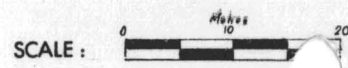
PLAN

⊗
S435203-D-N
S84976-B-E

DIP PROFILE



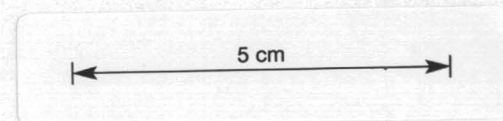
NWPS 29408



RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212457 HOLE No.: B.T.2

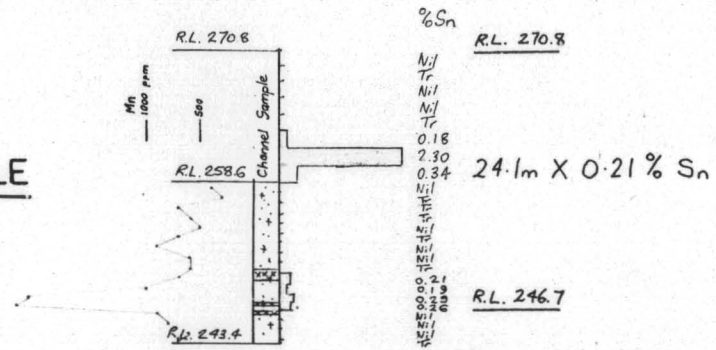
463



PLAN

⊗ SA35280-9 N
RB8912-8 E

DIP PROFILE



DIAMOND DRILL RECORD

HOLE NUMBER : B.T. 2

212458

LOGGED BY : R. Taylor

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn. ANALYSIS									
FROM	TO	m	%			FROM	TO	TOTAL	% Sn.	% Cu.	% As.	% Sb.	% Pb.	% Zn.	% Bi.
0	8.10			<u>FINE GRAINED GRANITE/GREISEN</u>		0	0.91	N11	0.05	0.001		0.04		0.006	<1
				White: Occasional dark greisen patches-joint controlled			1.83	Tr	0.01	0.001		0.03		0.005	<1
				Rare yellow stained clay on joints. 2.97m rare chalcopyrite			2.74	Tr	0.08	0.001		0.07		0.007	<1
				Sn ₂ very rare. 4.88-8.10m - more decomposed, much			3.65	Tr	0.03	0.002		0.06		0.008	<1
				yellow clay. Sn ₂ rare between 5.18 - 5.79m			4.57	N11	0.01	0.001		0.05		0.011	<1
							5.49	Tr	<0.01	0.001		0.07		0.009	<1
							6.40	N11	0.01	0.001		0.09		0.008	1
							7.31	N11	0.01	0.001		0.06		0.011	<1
							8.23	Tr	0.07	<0.001		0.06		0.011	<1
							9.14	N11	0.21	0.20		0.07		0.011	<1
8.10	9.1			<u>GREISEN:</u>											
				8.10-8.25m fine grained greisen. Upper junction sharp			10.06	0.19	0.20	0.004		0.10		0.020	1
				8cm. graded. Cassiterite rare, grain size 1.5mm.			10.97	0.29	0.32	0.001		0.21		0.031	<1
							11.89	0.26	0.28	0.009		0.22		0.034	2
				8.25m-9.1m Coarser greisen. Cassiterite rare, chalcopyrite			12.80	N11	<0.01	0.005		0.09		0.015	1
				Very rare			13.71	N11	0.01	0.001		0.08		0.013	<1
							14.63	N11	0.01	0.001		0.06		0.007	<1
9.1	11.28			<u>FINE GRAINED GRANITE/GREISEN</u>			15.24	Tr	0.01	0.001		0.07		0.010	<1
				Coarse. almost like coarse grained granite variety in parts.											
				Near-10.00m, is some pink feldspar. Cassiterite rare.											
				Chalcopyrite rare. Greisenised towards 11.28m, cassiterite											
				and chalcopyrite increase											
11.28	11.58			<u>GREISEN</u>											
				Fine grained, sharp junction, cassiterite very rare.											
11.58	12.31			<u>FINE GRAINED GRANITE/GREISEN</u>											
				White, yellow. Some greisen patches.											
12.31	12.49			<u>GREISEN</u>											
				Barren.											
12.49	15.24			<u>FINE GRAINED GRANITE/GREISEN</u>											
				Occasional greisen patches. Barren.											

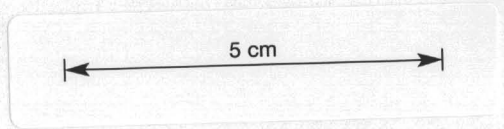
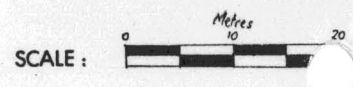
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NWPS 28406

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

212460 HOLE No.: B.T.1

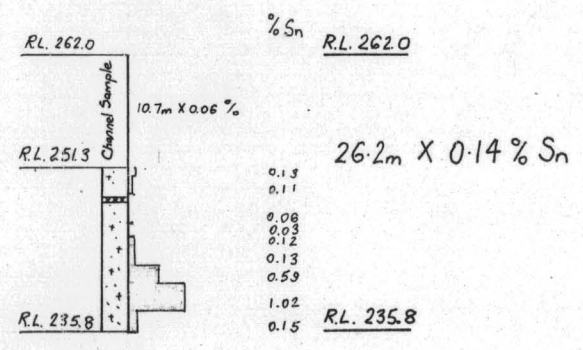
466



PLAN

⊗ SAICIAS - 8 N
SB8901-3 E

DIP PROFILE



DIAMOND DRILL RECORD

212461

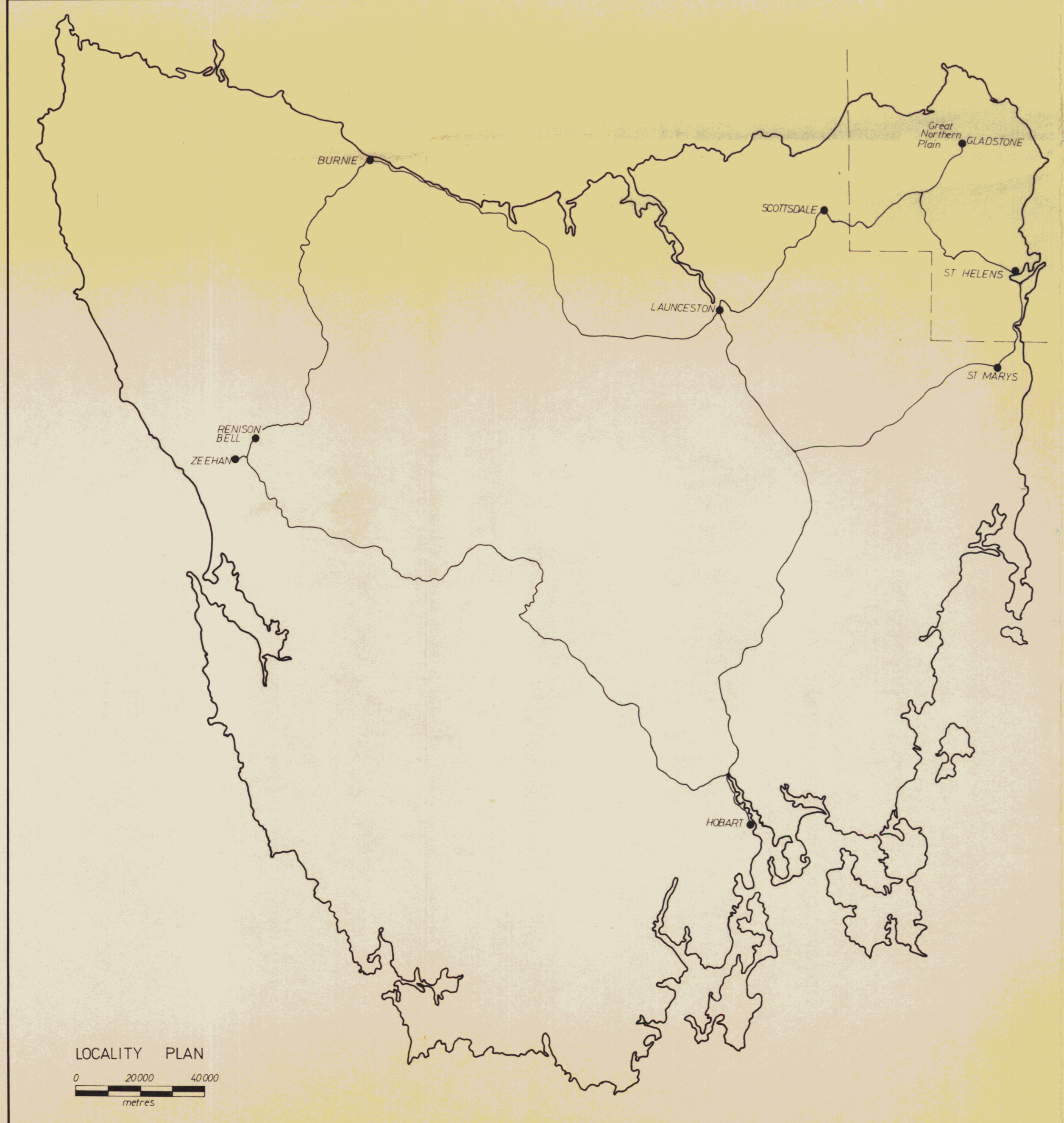
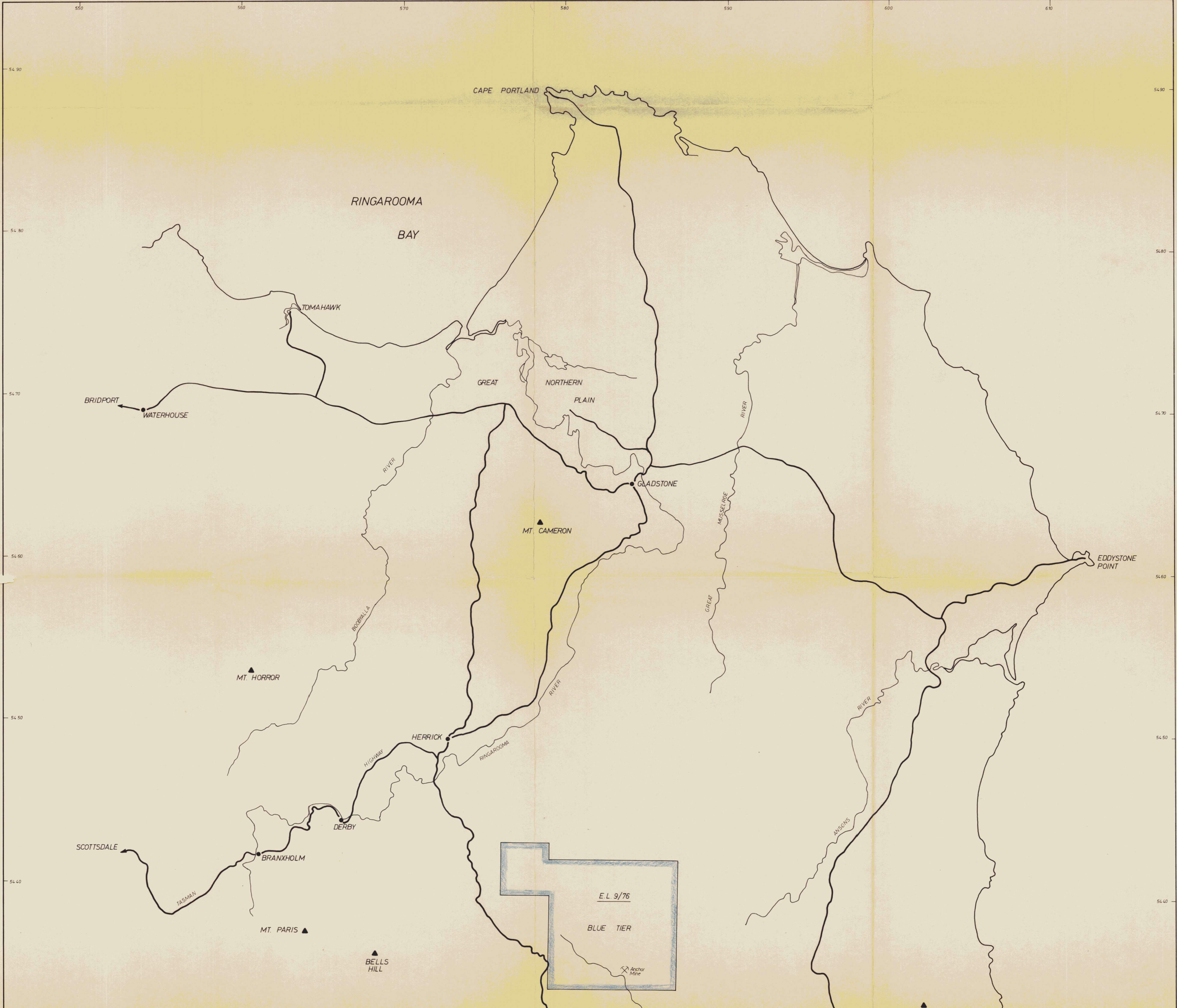
HOLE NUMBER : B.T. 1
LOGGED BY : R. TAYLOR

467

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	As	STAN	% Cu.	% As.	% Mo	% Pb.	% Zn.	% Bi.	g/t Ag.
0	2.7			<u>FINE GRAINED GRANITE/GREISEN</u>		0	0.35	Tr									
				0-0.6m Greisen			0.91	0.22	0.13	0.006	Nil		0.026				
				0.6-1.1m Coarse cassiterite common. Felspar more common			1.83	Tr									
				1.1-2.1m Greisen, no mineralisation			2.74	0.12	0.11	0.002	Nil		0.025				
				2.1-2.7m Whiter granite, very rare chalcopyrite			3.65	0.11									
							4.57	Tr	0.08	0.003	Nil		0.020				
							5.49	Tr	0.03	0.004	Nil		0.021				
							5.67	6.40	Lost Core								
							6.40	7.07	0.11	0.12	0.003	0.005	0.021				
							7.07	7.31	Lost core								
2.7	2.8			<u>GREISEN</u>			7.31	8.23	0.10	0.13	0.003	0.005	0.023				
				Cassiterite very rare			9.14	0.14									
2.8	15.5			<u>FINE GRAINED GRANITE/GREISEN</u>			10.06	Tr	0.59	0.002	Nil		0.021				
				2.8-3.1 Cassiterite present, often coarse			10.97	0.37									
				3.1-4.3 Broken, cassiterite very rare			11.89	0.67									
				4.3-5.5 Less decomposed			12.80	1.03	1.02	0.002	0.005		0.021				
				5.5-8.2 Very decomposed. Yellow stains? Cassiterite very rare			13.72	0.83									
							14.63	0.12									
							15.54	0.22	0.15	0.002	Nil		0.022				
				8.2-10.0m Less decomposed. Cassiterite rare.													
				10.0m-10.7m Decomposed. Greisen like patches. Dark cassiterite rare.													
				10.7-11.5m Cassiterite present. Almost Greisen													
				11.5-11.6m " common " "													
				11.6-12.2m " " " "													
				12.2-13.1m " " " "													
				13.1-14.0m " " " "													
				One Molybdenite flake.													
				14.0-14.3m Cassiterite very rare. Granite whiter													
				14.3-15.1m Whiter granite minor greisen, patches with coarse cassiterite.													
				-END OF HOLE													

10.06-15.54:
5.5m 0.54 Sn



E.L. 9/76
 BLUE TIER
 Anchor Mine

212462
 5 cm

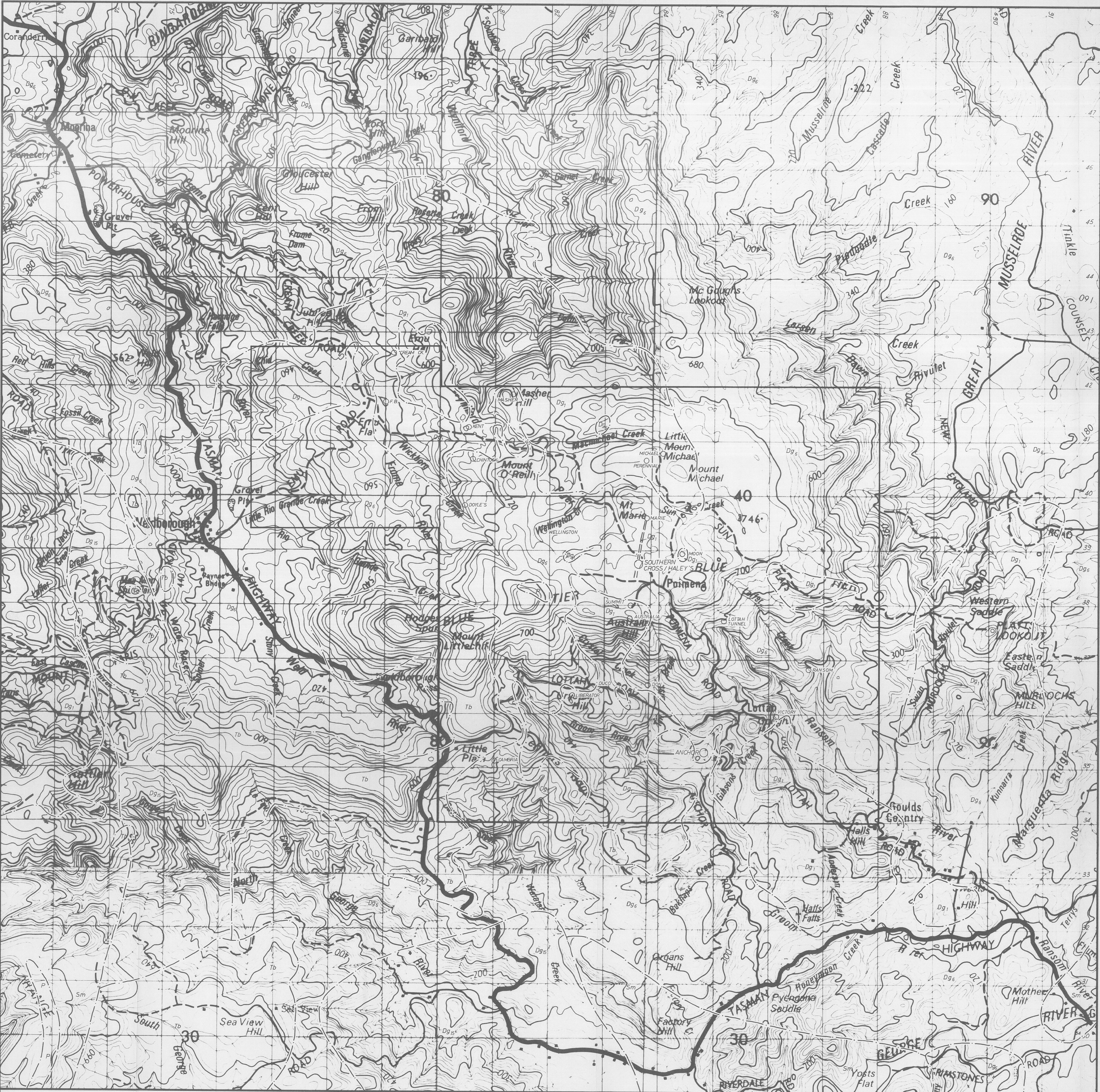
78-12344 vol. 2
 RENISON LIMITED

LOCALITY PLAN

GEOLOGIST : K WELLS	SCALE 1:20000 METRES
DRAUGHTSMAN : J MATTHEWS	2000 4000
DATE : JANUARY 1978	
REVISIONS :	
11 2507	DRAWING No. BT 18

LOCALITY PLAN
 0 20000 40000
 metres

2588



LEGEND

TERTIARY	Tb	Basalt (including minor tuffs)	
PERMIAN	P	Conglomerate, Sandstone, Shale	
	Dg ₁	"Lefsch Sheets", "Mt Paris Mass" Biotite - Muscovite Granite] BLUE TIER BATHOLITH
UPPER DEVONIAN	Dg ₆	"Palmyra Pluton" Biotite Granite / Adamellite	
	Dg ₁₅	Granodiorite	
SILURO-DEVONIAN	Sm	Mothina Beds	
	○	Abandoned primary Tin workings	
	-	Geological contact (approximate)	

N.B. Minor surficial Quaternary - Tertiary Sediments excluded.

5 km

212463

78-1744

REVISION LIMITED

DRAWN	A.F.R.
TRACED	J.M.M.
DATE	Sept. 78
SCALE	1:25,000
DRAWING No.	BT 19

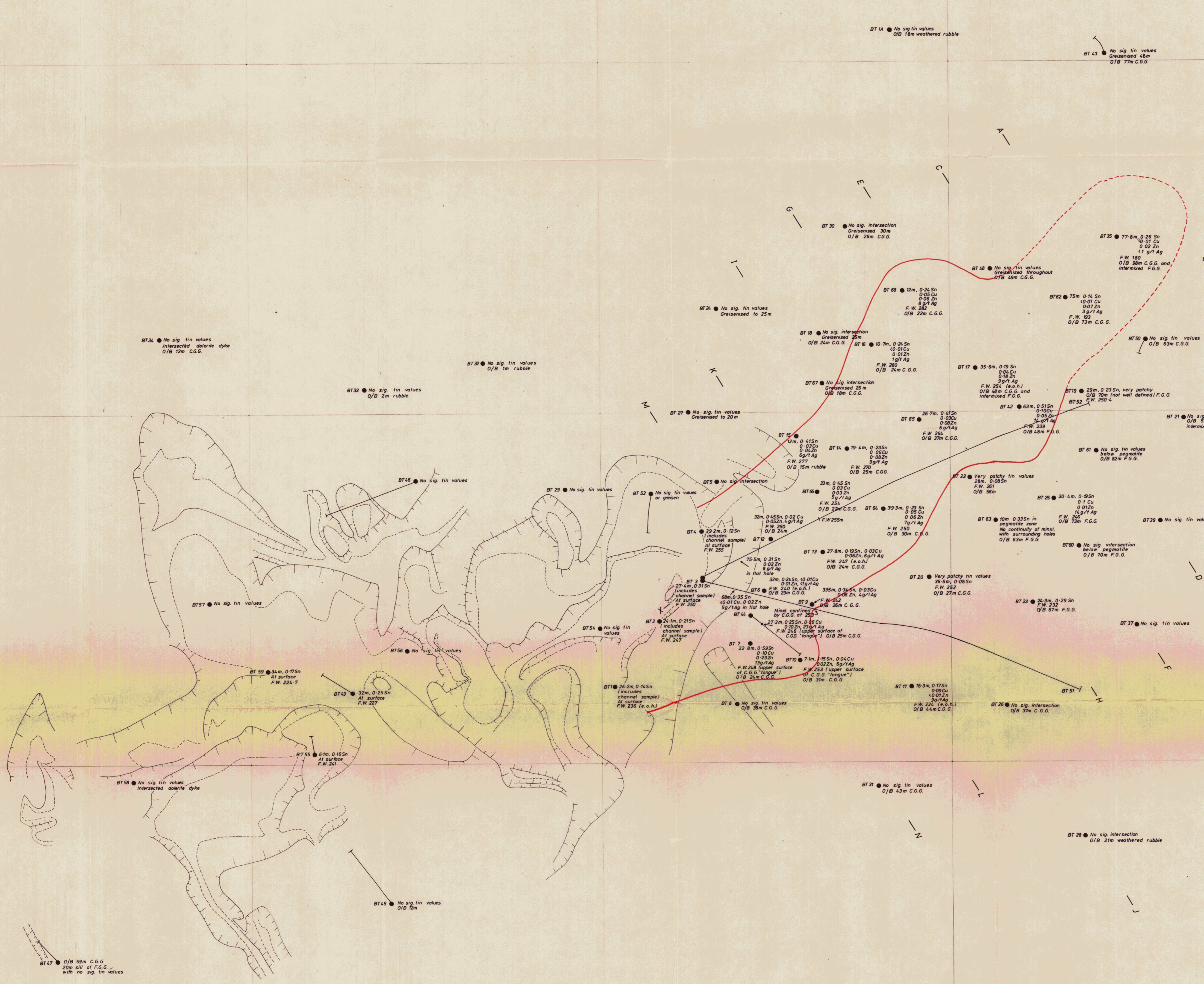
E.L. 9/76 BLUE TIER AREA
REGIONAL GEOLOGY

SCALE: 1:25,000 METRES

Compiled from Geological Survey 1:50,000, 1:31,680 Maps

Licence Boundary

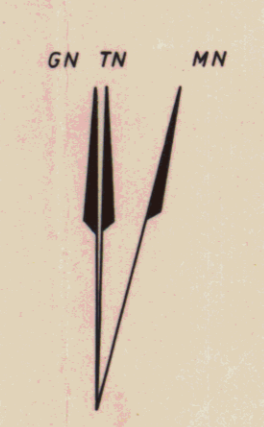
2590



BT 6 ● 32m, 0.31Sn
0.21Cu
0.21Zn
0.21Pb
1.97Ag
F.W. 240
O/B 73m
e.s.h. End of hole
C.G.G. "Coarse grained granite"
F.G.G. "Fine grained granite"

Drill hole number, collar position
(and also projection for angled holes)
Thickness and grade data
"Arrow holes" (i.e. R.L.)
Overburden thickness
End of hole
"Coarse grained granite"
"Fine grained granite"

A — B Section location



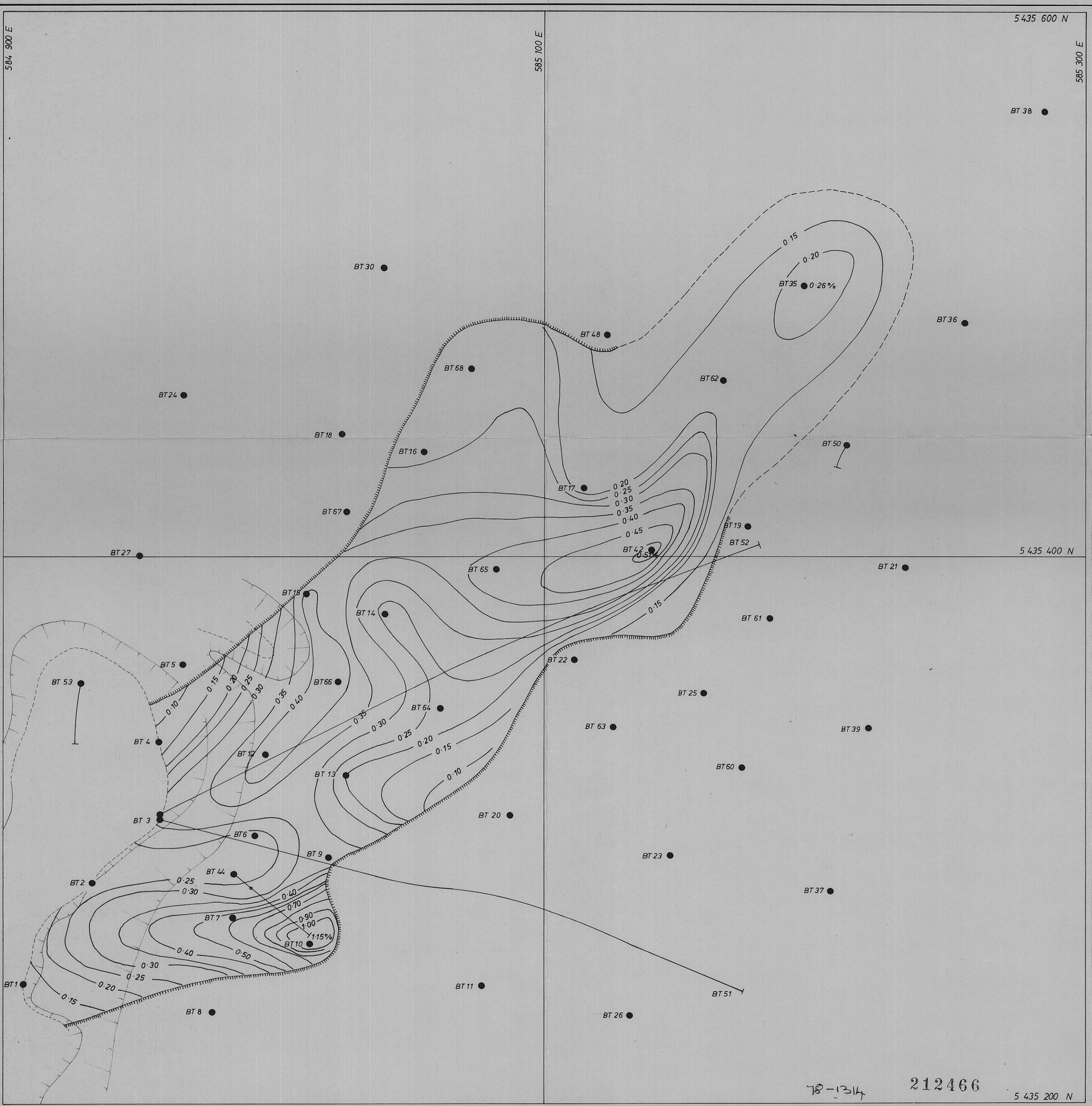
REXON LIMITED



EL 9/76 - ANCHOR MINE AREA

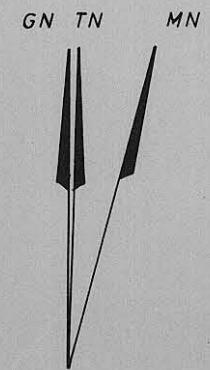
DIAMOND DRILLING RESULTS

GEOLOGIST: A. ROSS SCALE: 1:1000 METRES
 DRAUGHTSMAN: J. MATTHEWS
 DATE: OCT. 1978
 REVISIONS: [] DRAWING No. BT 21

18-175117



 Subsurface limit of tin-greisen
 (Approximate limit)



RENISON LIMITED

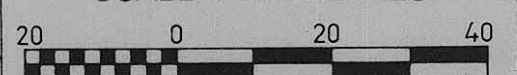
E.L. 9/76 - ANCHOR MINE AREA

GRADE CONTOURS

GEOLOGIST : A. ROSS

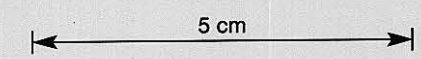
SCALE 1:1000 METRES

DRAUGHTSMAN : J. MATTHEWS



DATE : OCT. 1978

REVISIONS

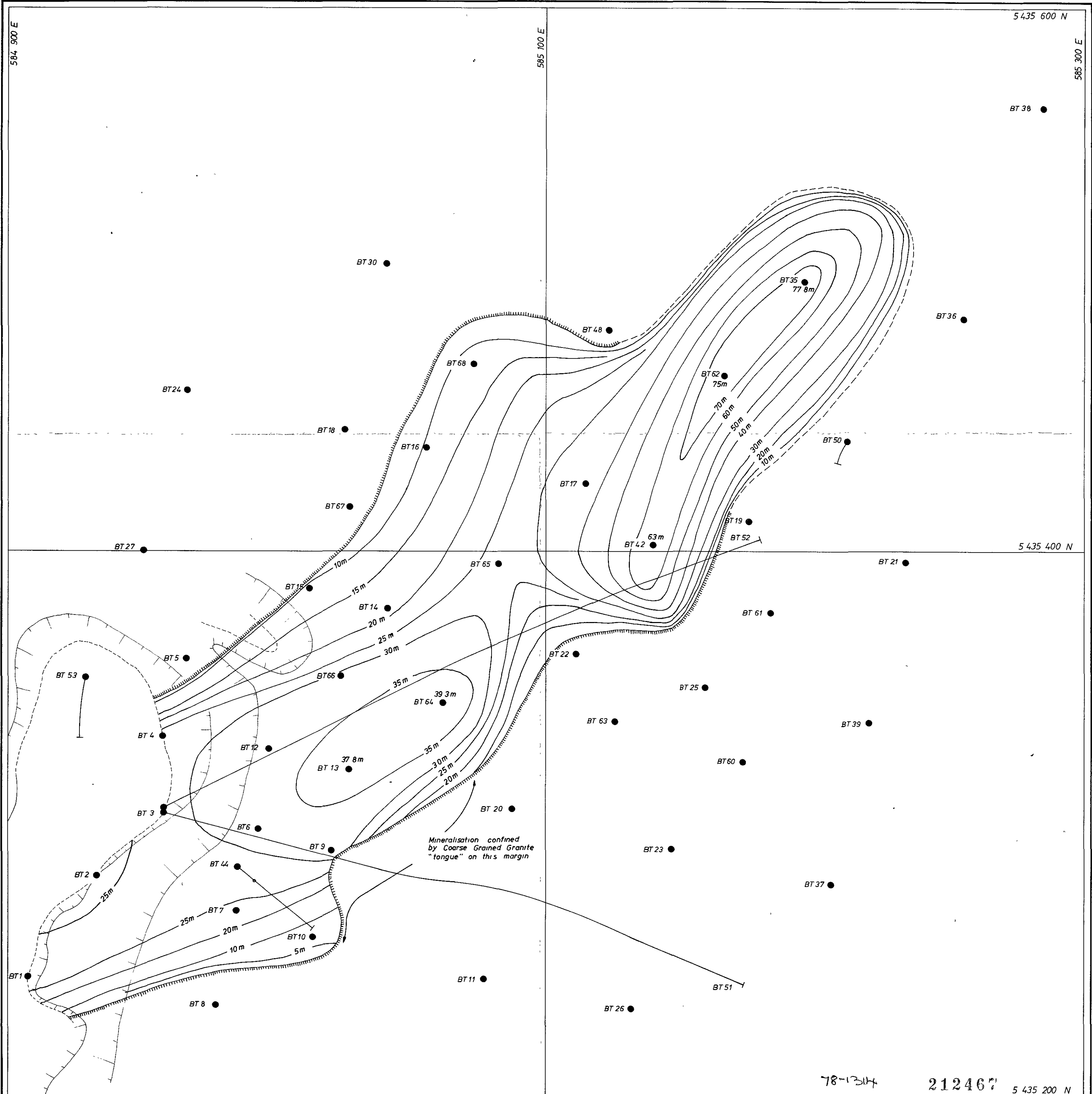




DRAWING No.

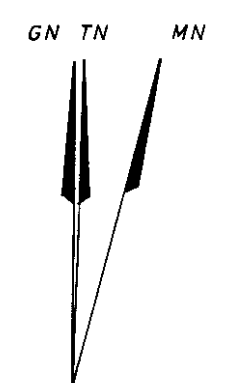
BT 22


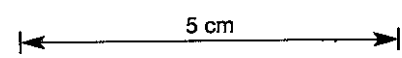
2591

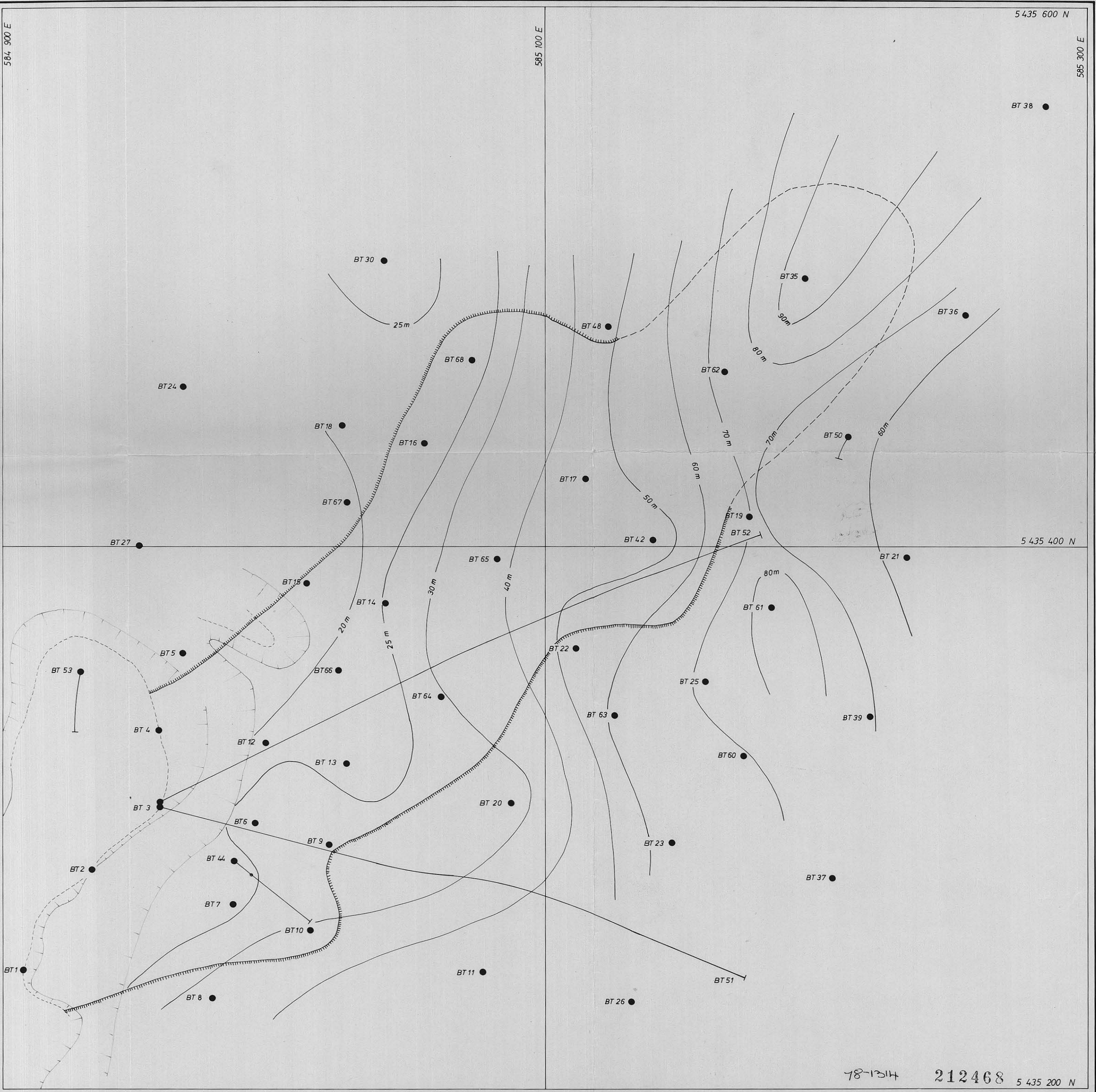
78-1314 212466





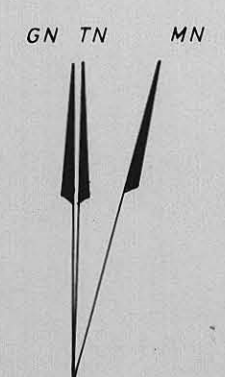
 Subsurface limit of tin-greisen
 (Approximate limit)




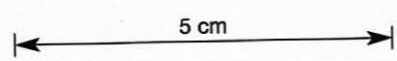
RENISON LIMITED	
E.L. 9/76 - ANCHOR MINE AREA	
THICKNESS CONTOURS	
GEOLOGIST A ROSS	SCALE 1 000 METRES
DRAUGHTSMAN J MATTHEWS	20 0 20 40
DATE OCT 1978	
REVISIONS	DRAWING No
 5 cm	BT 23



 Subsurface limit of tin-greyisen
 (Approximate limit)



78-1314 212468 5 435 200 N

RENISON LIMITED	
E.L. 9/76 - ANCHOR MINE AREA	
OVERBURDEN THICKNESS CONTOURS	
GEOLOGIST : A. ROSS	SCALE : 1:1000 METRES
DRAUGHTSMAN : J. MATTHEWS	
DATE : OCT 1978	
REVISIONS	
DRAWING No. BT 24	

564 900 E

585 100 E

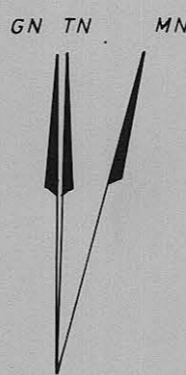
5435 600 N

585 300 E



- Subsurface limit of tin-greisen (Approximate limit)
- Contact between two granites
- Subsurface limit of 'pegmatite' zones
- Area of coarse grained granite "tongue"

- Subsurface contour of normal roof contact (base of C.G.G.)
- Subsurface contour of upper contact in "tongue" area
- Subsurface contour of "pegmatite" contact

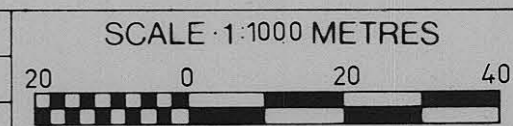


RENISON LIMITED

E.L. 9/76 - ANCHOR MINE AREA

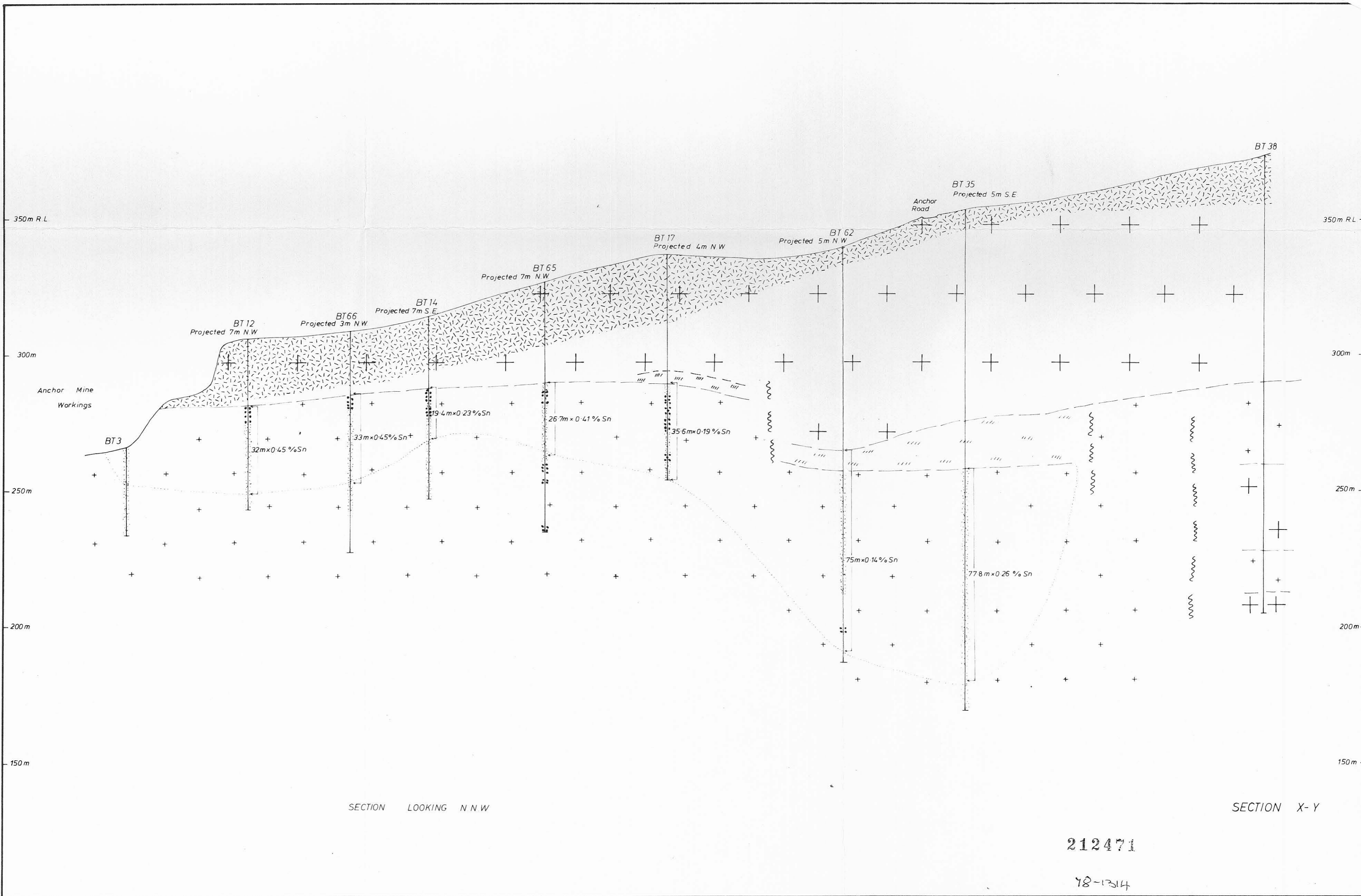
ROOF CONTACTS / TIN - GREISEN RELATIONSHIPS

GEOLOGIST : A. ROSS
 DRAUGHTSMAN : J. MATTHEWS
 DATE : OCT. 1978



REVISIONS

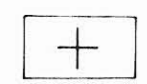
DRAWING No.
BT 25



LEGEND



Unconsolidated Granite
Sand, rubble



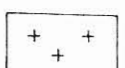
Coarse Grained Granite
(Porphyritic Biotite Adamellite)
Includes minor aplite, pegmatite at base



Transition Zone
Intermixed C.G.G., F.G.G. Minor aplite,
pegmatite



Major Pegmatite Horizon



Fine Grained Granite
(Muscovite Biotite Granite)
Variably greisenised includes minor
pegmatite horizons, quartz feldspar, aplite

On drill holes



a Greisen zones



b Fine grained granite / greisen zones
(lesser alteration)



c Unaltered fine grained granite varieties

Limit of Tin - Greisen
(Based on grade, thickness contours)

Geological boundary

Contact and/or geological relationships,
unresolved

LOCATION OF SECTION
SHOWN IS ON DRAWING NO BT 21

RENISON LIMITED

E.L. 9/76 - ANCHOR MINE AREA

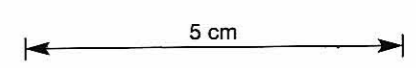
INTERPRETIVE GEOLOGY SECTION

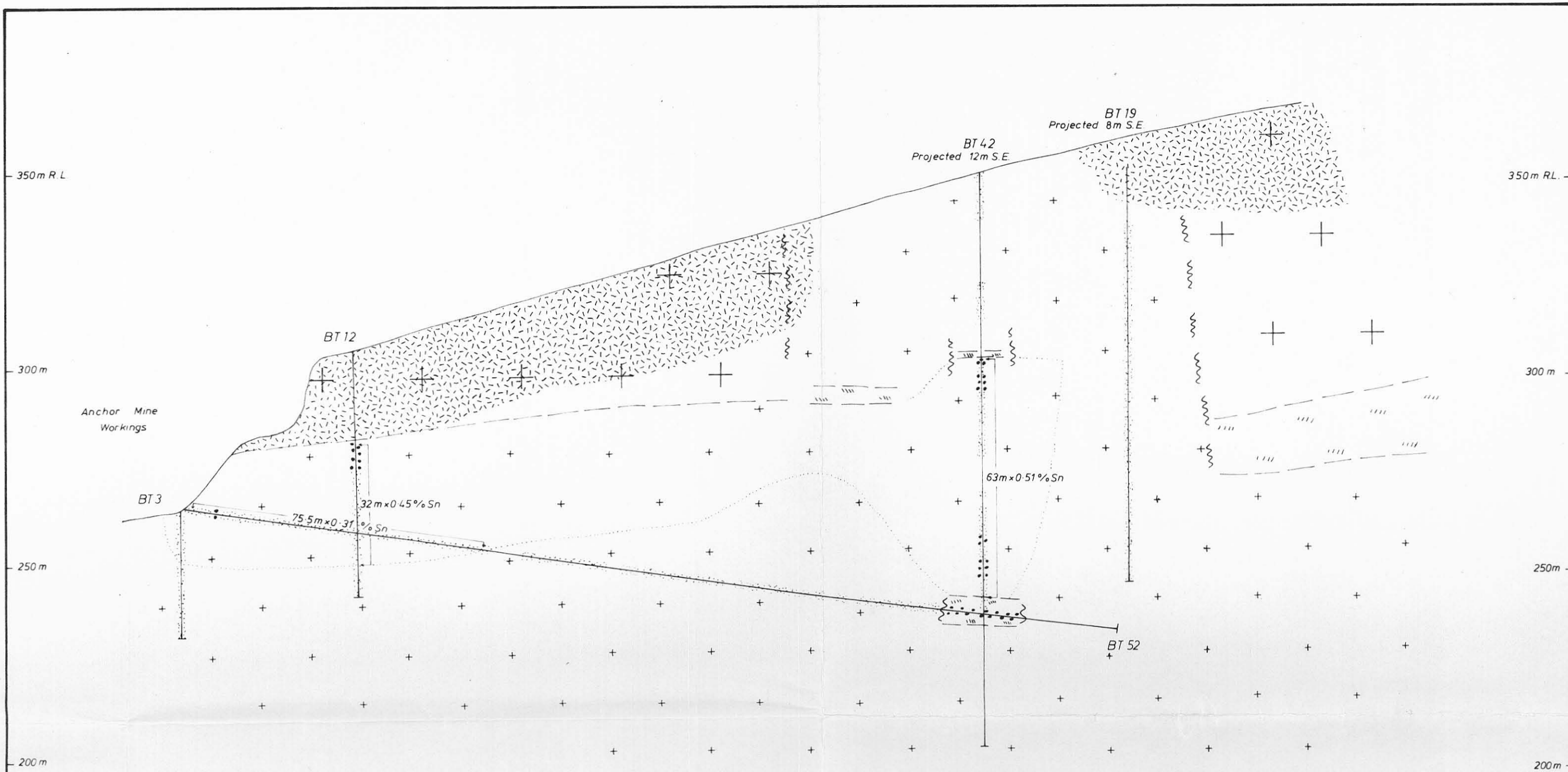
GEOLOGIST : A ROSS
DRAUGHTSMAN : J MATTHEWS
DATE : OCT 1978

SCALE - 1:1000 METRES
20 0 20 40

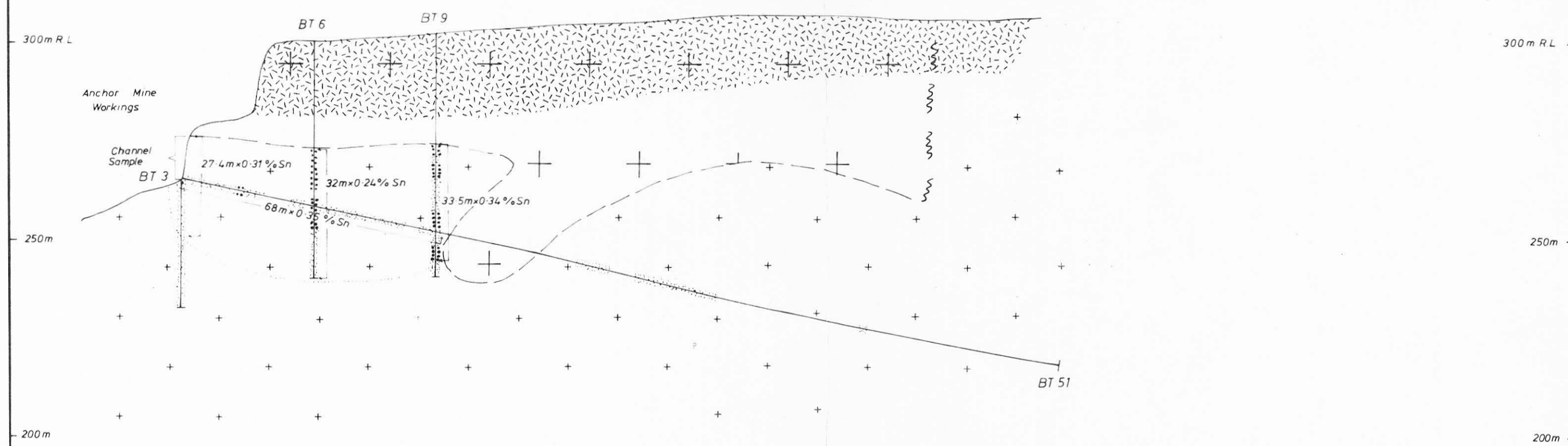
REVISIONS

DRAWING No.
BT 27





SECTION LOOKING N.N.W



SECTION LOOKING N.N.E

48-1314 212472

LEGEND

- Unconsolidated Granite
Sand, rubble
- Coarse Grained Granite
(Paraphyric Biotite Adamellite)
Includes minor apilite, pegmatite at base
- Transition Zone
Intermixed C.G.G., F.G.G. Minor apilite,
pegmatite
- Major Pegmatite Horizon
- Fine Grained Granite
(Muscovite Biotite Granite)
Variably greisenised. Includes minor
pegmatite horizons, quartz feldspar, apilite
- On drill holes
- a Greisen zones
- b Fine grained granite / greisen zones
(lesser alteration)
- c Unaltered fine grained granite varieties
- Limit of Tin-Greisen (Based
on grade, thickness contours)
- Geological boundary
- Contact and/or geological
relationships, unresolved.

RENISON LIMITED	
E.L. 9/76 - ANCHOR MINE AREA	
INTERPRETIVE GEOLOGY SECTIONS	
THROUGH FLAT HOLES 51, 52	
GEOLOGIST : A ROSS	SCALE : 1:1000 METRES
DRAUGHTSMAN : J MATTHEWS	
DATE : OCT 1978	
REVISIONS	DRAWING No. BT 28



4950 E

5000 E

5050 E

212473

SURVEY DATA: Centre of Whip Shaft 5000 N
5000 E
R.L. of P1 100.0m
Bearing of N°9 Trench 90°00'
Grid is unrelated to A.M.G.

MAGNETIC NORTH

78-1314

5100 E

5100 N

- LEGEND**
- PORPHYRYTIC BIOTITE ADAMELLITE (course grained granite)
 - MUSCOVITE BIOTITE GRANITE and related greisen. (Fine grained granite)
 - ⊙ "Tin bearing porphyry" (F.G.G. equivalent)
 - ⊘ "Elvan dykes"
 - 0.10 - 0.20 % Sn
 - > 0.20 % Sn
 - Limit of surface outcrop of Tin Bearing Porphyry

D.D.H.'s 40 + 41 by Renison Limited 1977
○ — Plan projection of D.D.H.

RENISON LIMITED

E.L. 9/76

SOUTHERN CROSS / HALEY'S WORKINGS

GEOLOGIST : A.F.R. & L.A.N.	SCALE 1:600 METRES
DRAUGHTSMAN : J. MATTHEWS	12 0 12 24
DATE : SEPT. 1978	← 5 cm →
REVISIONS	DRAWING No. BT 29